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 <221> Primer_Bind
 <223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 3
 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
 cccgaaatat ctgccatctc aattag 86

<210> 4
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<223> Synthetic sequence complementary to the SV40 promoter; includes a Hind III restriction site.

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<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

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<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.

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<210> 7
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<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.

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<210> 8
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<223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTCCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

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<223> Synthetic promoter for use in biological assays; includes NF-KB binding sites.

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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 <212> DNA
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<212> DNA
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<222> (38)
<223> n equals a,t,g, or c

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<211> 1174
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<220>
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<223> n equals a,t,g, or c

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gcggtgatgc	actcccagca	gaacagggtg	ccgcagggcg	tggctgttgg	gtgectgcgc	1920
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<210> 22
 <211> 1425
 <212> DNA
 <213> Homo sapiens

<400> 22						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	waaaaaaaaa	aaaaa		1425

<210> 23
 <211> 951
 <212> DNA
 <213> Homo sapiens

<400> 23						
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cctcaataaa tgtgaactgc tgctgccgca aaaaaaaaaa aaaaaaaaaa a 951

<210> 24
<211> 229
<212> DNA
<213> Homo sapiens

<400> 24
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cctgattatt tcagtttggc taaaacagag ctggcatcaa ggaagggttt gttgtgatga 180
ttccagagag ggtgactctc agggagtgtc ccaccaggcc cacgaagcc 229

<210> 25
<211> 508
<212> DNA
<213> Homo sapiens

<400> 25
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aaaacccccac ccccatcctg gaaaatttct tcttcaatcg ggggttaagtc ggggatctag 180
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<210> 26
<211> 1099
<212> DNA
<213> Homo sapiens

<400> 26
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<210> 27
<211> 990
<212> DNA
<213> Homo sapiens

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (954)
 <223> n equals a,t,g, or c

<400> 27

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<210> 28
 <211> 3152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (361)
 <223> n equals a,t,g, or c

<400> 28

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<210> 29

<211> 1402

<212> DNA

<213> Homo sapiens

<400> 29

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g						841

<210> 31
 <211> 966
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (130)
 <223> n equals a,t,g, or c

<400> 31						
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tcgaag						966

<210> 32
 <211> 1005
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (883)
 <223> n equals a,t,g, or c

<400> 32						
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<210> 33
 <211> 464
 <212> DNA
 <213> Homo sapiens

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	gctcccgcgc	agctctcctg	ccactggcct	ttcaggggtg	ggctgggccc	agagtgcctt	300
	ttagtcgctt	ctcacggtgg	cctgatggct	caaccacagtc	ccaaacgggc	ccagtgcacac	360
	tgccgactgc	accccagctc	aggccccccac	tgcaccagca	atgctagaaa	accaagccaa	420
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<210> 34
 <211> 839
 <212> DNA
 <213> Homo sapiens

<220>
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 <211> 1102
 <212> DNA
 <213> Homo sapiens

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<210> 36
 <211> 1112
 <212> DNA
 <213> Homo sapiens

<400> 36						
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<210> 37
 <211> 2531
 <212> DNA
 <213> Homo sapiens

<400> 37						
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<210> 38

<211> 954

<212> DNA

<213> Homo sapiens

<400> 38

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<210> 39

<211> 3342

<212> DNA

<213> Homo sapiens

<400> 39

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<211> 620

<212> DNA

<213> Homo sapiens

<400> 40

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<210> 41
 <211> 830
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (814)
 <223> n equals a,t,g, or c

<400> 41						
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 <211> 4054
 <212> DNA
 <213> Homo sapiens

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<211> 452
<212> DNA
<213> Homo sapiens
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<400> 43							
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gccatgtgga	cgcgagagat	ggctccgggt	tccttcagac	ggctcacagc	cagctgggtct		420
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<211> 625

<212> DNA
<213> Homo sapiens

<400> 44
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<211> 1193
<212> DNA
<213> Homo sapiens

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<210> 46
<211> 1594
<212> DNA
<213> Homo sapiens

<400> 46
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<210> 47
 <211> 1762
 <212> DNA
 <213> Homo sapiens

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 <222> (10)
 <223> n equals a,t,g, or c

<220>
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 <211> 1042
 <212> DNA
 <213> Homo sapiens

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tctaaaaaaaa	aaaaaaaaaa	aa				1042

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 <212> DNA
 <213> Homo sapiens

<400> 49						
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<210> 52
 <211> 742
 <212> DNA
 <213> Homo sapiens

<400> 52						
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<210> 53
 <211> 1033
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (928)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (958)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (977)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1005)
 <223> n equals a,t,g, or c

<400> 53						
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<210> 55
 <211> 1992
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1950)
 <223> n equals a,t,g, or c

<400> 55						
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<210> 56
 <211> 1386
 <212> DNA
 <213> Homo sapiens

<400> 56

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<210> 57
<211> 1733
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (893)
<223> n equals a,t,g, or c
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<210> 58
 <211> 2722
 <212> DNA
 <213> Homo sapiens

<400> 58						
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aaaaaaaaaa	aaaaaactcg	ta				2722

<210> 59
 <211> 1094
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

<400> 59

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<210> 60

<211> 1839

<212> DNA

<213> Homo sapiens

<400> 60

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<210> 61
 <211> 1964
 <212> DNA
 <213> Homo sapiens

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<210> 62
 <211> 1330
 <212> DNA
 <213> Homo sapiens

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atatttttaa	agtattgcaa	attcaatgat	aaattctaag	gttaaaattg	gacacataaa	900
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aaaaaaaaa						1330

<210> 63
 <211> 1504
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (1120)
 <223> n equals a,t,g, or c

<400> 63						
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<210> 64
 <211> 1828
 <212> DNA
 <213> Homo sapiens

<400> 64						
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ttaaaaaaa	aaaaaaaaa	aactcgag				1828

<210> 65
 <211> 1280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (893)
 <223> n equals a,t,g, or c

<400> 65						
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aaaaaaaaa aaaaactcga

1280

<210> 66
<211> 1528
<212> DNA
<213> Homo sapiens

<400> 66
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tcacaaaaaa aaaaaaaaaa aactcgag 1528

<210> 67
<211> 1458
<212> DNA
<213> Homo sapiens

<400> 67
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<210> 68
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<400> 68						
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 <211> 557
 <212> DNA
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<210> 70
 <211> 1568
 <212> DNA
 <213> Homo sapiens


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<400> 70
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<210> 71
<211> 1228
<212> DNA
<213> Homo sapiens

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ccttcttttg ttattaatac tgatgttatt taagaaatgc aaaaaggcct ctttagtttc 180
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1228

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<210> 72
<211> 1715
<212> DNA
<213> Homo sapiens

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<400> 72

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<210> 73

<211> 1896

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1871)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1884)

<223> n equals a,t,g, or c

<400> 73

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<210> 74

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 74

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 <211> 1324
 <212> DNA
 <213> Homo sapiens

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 <211> 1214
 <212> DNA
 <213> Homo sapiens

<400> 77						
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 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (327)
 <223> n equals a,t,g, or c

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 <211> 1686
 <212> DNA
 <213> Homo sapiens

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aaaaaa						1686

<210> 80

<211> 1634

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (311)

<223> n equals a,t,g, or c

<220>

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<222> (567)

<223> n equals a,t,g, or c

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 <211> 2012
 <212> DNA
 <213> Homo sapiens

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 <211> 1322
 <212> DNA
 <213> Homo sapiens

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<210> 83
 <211> 941
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 85
<211> 643
<212> DNA
<213> Homo sapiens

<400> 85						
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<210> 86
<211> 1669
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1601)
<223> n equals a,t,g, or c

<400> 86						
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tactgaacaa	caaaaagtaa	tgaagtattt	atacacgcaa	caacacgggt	gaactgtaaa	480
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<210> 87
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 87						
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<210> 88
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<400> 88						
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<210> 89
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (380)
 <223> n equals a,t,g, or c

<400> 89						
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<210> 90
 <211> 952
 <212> DNA
 <213> Homo sapiens

<400> 90						
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<210> 91
 <211> 1410
 <212> DNA
 <213> Homo sapiens

<400> 91						
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<210> 92
 <211> 1759
 <212> DNA
 <213> Homo sapiens

<400> 92						
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 <212> DNA
 <213> Homo sapiens

<400> 93						
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 <212> DNA
 <213> Homo sapiens

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06007

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<211> 1844
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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acg						1683

<210> 105
 <211> 1270
 <212> DNA
 <213> Homo sapiens

<400> 105						
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<210> 106
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (327)

<223> n equals a,t,g, or c

<400> 106

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<210> 107

<211> 1697

<212> DNA

<213> Homo sapiens

<400> 107

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<210> 108
<211> 1142
<212> DNA
<213> Homo sapiens

<400> 108
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<210> 109
<211> 976
<212> DNA
<213> Homo sapiens

<400> 109
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aaaaaaaaaa aaaaaa 976

<210> 110
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (565)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (571)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (589)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (596)
 <223> n equals a,t,g, or c

<220>
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 <222> (621)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (643)
 <223> n equals a,t,g, or c

<400> 110
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<210> 111
 <211> 1588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (380)
 <223> n equals a,t,g, or c

<400> 111
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 aataatactt tggactgcag gacaggacag tattgattcc taagtagatt gactataatc 180
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 taaggagata tatgtagaaa taagatatat attatcaaga gactgcttat atattcttaa 540
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<210> 112
 <211> 593
 <212> DNA
 <213> Homo sapiens

<400> 112						
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<210> 113
 <211> 2355
 <212> DNA
 <213> Homo sapiens

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 <221> SITE
 <222> (766)
 <223> n equals a,t,g, or c

<400> 113						
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<210> 114
 <211> 1437
 <212> DNA
 <213> Homo sapiens

<400> 114						
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<210> 115
 <211> 2050
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
<222> (1156)
<223> n equals a,t,g, or c

<400> 115

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ccttaccata	tgccaggcac	tcgggcaagc	atctgcaggc	ttttctcatt	gattcctcac	360
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<210> 116
<211> 1968
<212> DNA
<213> Homo sapiens

<400> 116

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<210> 117
 <211> 754
 <212> DNA
 <213> Homo sapiens

<400> 117						
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<210> 118
 <211> 1324
 <212> DNA
 <213> Homo sapiens

<400> 118						
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<210> 119
 <211> 1182
 <212> DNA
 <213> Homo sapiens

<400> 119						
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<210> 120
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (353)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (418)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (891)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c


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<400> 120
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cggatatggc tgtcttggtt ggatccctgt tgggcccac gagtaggtcg gcagcgttgc    180
tgggtggcag gtgggtccag ccccgggcct ggctggggtt cccagacgcc tggggcctcc    240
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yaattacaaa gcttatcaca tccaaaagaa ttatcaataa ttttgaaata ttattaaacg    840
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naaaaaaaaa a                                     911

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<210> 121
<211> 1099
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1051)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1073)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1076)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1087)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1093)
<223> n equals a,t,g, or c

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<400> 121
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cagtgatttg aattttgttt atggtttatt atcttcctaa attatcagct ctttaaaata    180
tgggtctctg gcctgtatac catctgataa attaggttgg gttaaattttt cacctgaaaa    240
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tgatgattag aaaagtggct ttcatttgtg ttctctggaa gattctcagt agtcctgtgg    660
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[illegible]

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[illegible]

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 <211> 431
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 127

<211> 2157
<212> DNA
<213> Homo sapiens

<220>
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<222> (1334)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<400> 127

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<211> 1585
<212> DNA
<213> Homo sapiens

<400> 128

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 <212> DNA
 <213> Homo sapiens

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<210> 130
 <211> 1351
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (876)
 <223> n equals a,t,g, or c

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<223> n equals a,t,g, or c
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 <223> n equals a,t,g, or c

<400> 132						
nggattcgcg	gccgntccga	ctgnccgcgg	ggctagcact	gacgtgtctc	tcggcgggagc	60
tgctgtgcag	tgggacgcgc	tgggcccgcgg	gcagcgtcgc	ctcacgcgga	gcagagctga	120
gctgaagcgg	gacccggagc	ccgagcagcc	gccgccatgg	caatcaaatt	tctggaagtc	180
atcaagccct	tctgtgtcat	cctgcccga	attcagaagc	cagagaggaa	gattcagttt	240
aaggagaaa	tgctgtggac	cgctatcacc	ctctttatct	tcttagtggtg	ctgccagatt	300
cccctgtttg	ggatcatgtc	ttcagattca	gctgaccctt	tctattggat	gagagtgtt	360
ctagcctcta	acagaggcac	attgatggag	ctagggatct	ctcctattgt	cacgtctggc	420
cttataatgc	aactcttggc	tggcgccaag	ataattgaag	ttggtgacac	cccaaaagac	480
cgagctctct	tcaacggagc	ccaaaagtta	tttggcatga	tcattactat	cggccagttc	540
atcgtgtatg	tgatgaccgg	gatgtatggg	gacccttctg	aaatgggtgc	tgggaatttgc	600
ctgctaatac	ccattcagct	ctttgtttgt	ggcttaattg	tcctactttt	ggatgaactc	660
ctgcaaaaa	gatattggcct	tggctctggg	atttctctct	tcattgcaac	taacatctgt	720
gaaaccatcg	tatggaaggc	attcagcccc	actactgtca	acactggccg	aggaatggaa	780
tttgaagggtg	ctatcatcgc	actttttccat	ctgctggcca	cacgcacaga	caagggtccga	840
gcccttcggg	agggcgttcta	ccgccagaat	cttcccaacc	tcattgaatct	catcgccacc	900
atctttgtct	ttgcagtggt	catctatttc	cagggtctcc	gagtggacct	gccaatcaag	960
tcggcccgtc	accgtggcca	gtacaacacc	tatcccatca	agctcttcta	tacgtccaac	1020
atccccatca	tcctgcagtc	tgccctgggtg	tccaaccttt	atgtcatctc	ccaaatgctc	1080
tcagctcgct	tcagtggcaa	cttgctggtc	agcctgctgg	gcacctggtc	ggacacgtct	1140
tctggggggc	cagcacgtgc	ttatccagtk	ggtggccttt	gctattacct	gtccccctcca	1200
tggtccatga	actcaaccgg	tacatcccca	cagccgcggc	ctttggtggg	ctgtgcactg	1260
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tcgcagtcac	aatcatctac	cagtactttg	agatcttctg	taaggagcaa	agcgagggtg	1380
gcagcatggg	ggccctgtct	ttctgagccc	gtctcccggg	cagggttgagg	aagctgtctc	1440
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ggaacatttc	cctgtgatat	ttctgtcctt	gatattcatc	aagattttaga	ctggaatcck	1740
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tatagggata	aaacagaaga	attaatggaa	ttgacagatg	agcaaagaaa	tgaactgatg	1860
aaaaaagaaa	gcagtcgact	ccagaagact	ggacatcgtg	taacatactc	acctcgtaaa	1920
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actgggtagt	gccatttttg	ccggacatgg	ttggggtaac	ccagtgcacac	cagcactgat	2100
tggactgcc	tacaccaatc	agaagctcag	tgcccaatgg	gccactgttt	tgactcggaa	2160
tcatgtttgtg	cactatagtc	aaatgtactg	taaagtga	agggatgtgc	aaaaaaawar	2220
araaaaacaa	caaraaragc	taaccttcta	ttasawaagg	ggacagggga	atgagtarac	2280
ttctttttatt	gcggaacaa	gtgcacatag	ccgctagtaa	aactagcctc	aaacaggatg	2340
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cattcattta	ttcagcatgt	aaataaaaatt	gatcctgttg	agttatcata	attgcagttc	2760
aactatctgc	cmtgggttatt	cttttcacgt	atcattcatt	ctgtacattt	gg	2812

<210> 134
 <211> 1145
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1142)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1145)
 <223> n equals a,t,g, or c

<400> 134						
gccgcgctcc	tgccctcctgc	cccagcaggc	aggaagaatg	ggggctgacc	tctacctcgg	60
tgctcaagag	agaggcccca	gctggcaggg	acccagaaga	gcctggagat	gttggtgctg	120
gagaccccaa	ctctgatcag	ggactccctg	tgctgatgac	tcagggaaca	gaggacctaa	180
agggcccagg	acaaagggtg	gagaatgagc	cactgctgga	ccctgttggc	cctgagcctc	240
tggggcctga	nagtcagtca	gggaaggagg	acatggtgga	gatggccaca	cggtttgggt	300
ccaccctgca	gctagacctg	gaaaagggaa	ggagagtctg	ttggagaaga	ggctgggtggc	360
agaggaggaa	gaggacgaag	aggaggtgga	agaggatggc	cccagcagct	gctcggaggga	420
cgattacagt	gagctgctgc	aggagatcac	agacaacctg	acgaagaagg	agattcagat	480
agagaagatc	catttgagca	crtccctcct	crtggaggag	ctgcctggag	agaaggacct	540
tgcccacgtg	gtagagatct	atgactttga	accagcgctc	aagacggagg	acctgctggc	600
aacgttttct	gagttccaag	agaaggggtt	caggattcag	tgggtggatg	atactcacgc	660
actcggcatc	tttccctgcc	kggcctcagc	tgcggaagcc	ctgacccggg	agttctcggt	720
gctcaagatc	cggccctcca	crcagggaac	caagcagtca	aagctcaaag	ccttgccagag	780
gccaaaactc	ctgcgtctgg	tgaaggagag	gccacagaca	aatgcgactg	tggccgggag	840
gctgggtggc	cgggcctcgg	gactccaaca	caaaaagaaa	gagcggcctg	ctgtccgggg	900

ntccgctgcc	gccctgagggc	ctggagaccc	aactggcctg	gatctgcgtc	ccgacgtagc	960
tggcgccccc	aacaccataa	gccttcacag	acgccagagc	agccccgcac	caccctcgag	1020
cttcaccatg	gggtgtggtg	ggcttttagt	tagtcccaga	aatggagaaa	aaataaaaaac	1080
tcacgttggt	ctaattgtgaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaagggggg	1140
gnccn						1145

<210> 135
 <211> 1509
 <212> DNA
 <213> Homo sapiens

<400> 135						
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tctcttccct	aaaatgtgtc	ccagatgcct	tcatttgcgt	ttttacttct	atgttctgct	120
tttctctctc	tctttgttcc	cttctctgtc	atccattgag	tttatgaaat	ggaagagtta	180
actgcacgca	ctagtgtttg	gaggggtgtg	tggtttgcgt	ttctaattag	gtgtatagcc	240
tattcacttt	cctagaataa	atctcttaac	ctaaatttga	gtagtctgca	ttttggcaac	300
tcctctagca	gcttggtagc	ctagtacagg	ttgttttttt	aaaaaaggaa	aagcaggaag	360
gaggagttaa	ttttattaac	atgtttgcca	aatgtattga	gatttggcct	ctgaagaaca	420
ctttttcagt	gttaagtttc	tttaccttaa	gattcagaaa	tacttttagaa	tattattaat	480
tttaagtcct	gtctttacat	ccttttggaa	aacttgtatt	accatgagtt	tggaaaaagg	540
acaacgaaag	gcttttcatg	taaagataag	atcttttagc	atctctaacc	ctgtcctttt	600
ttcactgcat	tttttctagt	tttgcttcat	tgccttatcat	taggataggg	taagtgaagt	660
ttgctatgct	gctagcatcc	taagatgata	cctttgttga	aagaattgtg	aatagcatga	720
ttcatttcta	gcagaggctg	agtttaggac	agcagcttcc	attgagaagt	ccttctgtgt	780
cgtgaatagc	attttaatat	cctcttggct	cacataagca	aacaacatag	ggacgtatct	840
gctatgaaaa	tccacaaatt	tttcagatag	tgccttaaaa	acaattttat	atgcctcact	900
ggttgttatt	cttaggttat	ttccacactt	gactttatca	ttgtttacta	ctagtataaa	960
gcagcattgc	caaataatcc	ctaattttcc	actaaaaata	taatgaaatg	atgttaagct	1020
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atctggaatg	tggcattagc	ttttttatct	taaccctctt	taattcttat	tcaattccat	1140
gacttaaggt	tggagagcta	aacactggga	tttttggata	acagactgac	agttttgcat	1200
aattataatc	ggcattgtac	atagaagga	tatggctacc	ttttgttaaa	tctgcacttt	1260
ctaaatatca	aaaaaggga	atgaagtata	aatcaatttt	tgtataatct	gtttgaaaca	1320
tgagttttat	ttgcttaata	ttagggcttt	gccccctttc	tgtaagtctc	ttgggatcct	1380
gtgtagaagc	tgttctcatt	aaacaccaaa	cagttaagtc	cattctcttg	tactagctac	1440
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aaaaaaaaaa						1509

<210> 136
 <211> 1365
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<400> 136						
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tttaataacta	ctacattgaa	ttgcatgtta	aggtgcagaa	ataatacatt	aaaagatttt	180
cacttttaaat	taattagtaa	tattgagcgc	tcaccctgtg	cgtggccttg	tgctaaccat	240
tagcactgca	tcatttcaat	tctttttata	gggcattcaa	tactacaaaa	tcaacatgat	300
ttcataaggt	gcaaataaaa	gttggtgaca	gatttaatat	aattttgatc	acaatttaca	360

aatgatcttt	gcaaatagtg	gtcagacggc	attagttttt	cccttagtta	agctaaatta	420
aagggactcc	atcctgttat	gattatatta	ttattattat	tattattatt	tttgagggtg	480
agtttcactc	ttgttgccca	agctggagtg	caatggcgcg	atctcggtc	accacaacat	540
ccgcctcctg	ggttcaagcg	attctcctgc	ctcagcctcc	tgagtagctg	ggaatacagg	600
catgcgccac	tacacctggc	taatttttgt	attttttagt	gagatggggt	ttttccacgt	660
tggtcaggct	ggctctgaac	tcctgacctc	aggtgatccg	tccacctcag	cctcccaaag	720
agctgggatt	acaggtgtga	gctaccgcgc	ctggccatga	tgatattatt	aaacaccatt	780
attcacattt	caaataataa	caatactttt	tgtttttcaa	aaataaaatg	caatgttata	840
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agggagatgt	taatttataa	atttccacta	cacttattat	ctattaacca	aagcttaaaa	960
ttttgtattc	ttctgttaga	taagaccttt	tacctattta	atltgtcttt	aaggacagtc	1020
atltggcttc	tgaatgtttg	aaacgatttt	aaaaaataag	tagtgctatg	gttgtttcta	1080
taattctaac	ctttgatagt	aatcagaatg	tattacattt	catttctgaa	tagcttttga	1140
atlttatgaa	aattattaac	aatgaaaaat	tggtaatltt	attaagttat	atgtgtttta	1200
atattatatt	agcttatttc	tcttgcatla	atagtactgc	tgltttttgt	ttgcttcttt	1260
atatttatgt	ctagctttta	tatgtaattt	atctagtgtt	tataaaatgt	gattttgtaat	1320
aaatgtttgt	aaaatgaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa		1365

<210> 137
 <211> 1857
 <212> DNA
 <213> Homo sapiens

<400> 137						
ggcacgagca	aaaaataatt	cttttaagaa	aaaatgtaaa	aatgtttatt	ctaaaaagct	60
gcattaaagg	gacaacctat	aaaaagtttt	gctagctcat	ctttagaagg	aagaaagaat	120
attagcttgg	gtgatgttta	atltgggtgg	cgatagtltt	tgtaggctaa	acttgatgag	180
aaaagtgtac	ctactctata	aaggtaataa	atgtaaaacc	tcttgctgtt	attgaggaag	240
ctcttcaact	accctaaatt	tcacaaatgt	aacttataac	actatgaaaa	gattgaccaa	300
caattttacgt	ttgctgtgtg	cttagtlttt	gtttaagcat	atltcttgct	gaattctgtg	360
ttcatgagag	ttaggtgttt	tatgctctga	actaatltat	aacatattta	atatattacc	420
agttaaagata	taaaatcatt	tgtacatagc	gaattgtaaa	gcagctatta	aagtaggtga	480
aataaagtat	atatttgccg	gttatccata	tcttttagaa	gtcctgacag	aacaaccagt	540
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taatcagctt	ctaaaatttt	cttctcaata	aggcatatgt	tttgattact	tagggaagat	720
tcctcatltt	tattttgccct	ttatgcattt	aatccacatg	ataggacatt	aaaaattaat	780
ataaagaaaa	atcgtgtctca	tactgtacat	ctgtttctgt	gcttggaact	acttgttaat	840
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ttaatgtaaa	aggaattttat	aagattlttt	tcttcaatat	agatacctca	cttgaaaaga	1260
aagcacagca	tacttaaagt	agttctagta	aacatgtcct	agaaaacagt	tgctaaatgt	1320
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gttagaagta	tttgttttatc	ctgataatlt	taagccaaca	tagtagtctt	aaattacttt	1440
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taattggcta	cattgaccat	aattaaagtt	aaaatttttg	caatgatgta	cagttttatg	1560
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gaaataaata	ttttatatgg	ttttactaaa	aataagactc	atgtatctgg	tcacctagtt	1680
tacaaatttt	gaattatatt	tattgaaaca	tgacatactg	tgctctgagc	ttatacctca	1740
atltgtatltt	gtgctgtttt	ccattttcat	gccttgtaaa	taacttgtat	agattgtgga	1800
tcaataacta	aataaaaaact	tttaatgcca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa	1857

<210> 138
 <211> 1810
 <212> DNA
 <213> Homo sapiens

<400> 138

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accccatggg	aacgatggac	atatggcaga	ctgaacagac	acaccccatc	actggagatc	120
ctgtgcagaa	atcatgagct	gtgctctcac	acacacagtt	ccctcgacta	ggctctgcttt	180
cttgttctta	ctgattttgt	aagcttttca	gagctgatga	taaaatttgt	gcttatacca	240
ggaaaacaga	aaaggatgtt	gctcttaagt	cactggcaac	attctaataa	catgcactta	300
actggcttga	tctttttgtt	cttggtttct	catectaate	aagacccttg	gctgtcttgt	360
cagaaagaga	gcagcagaga	aaatagttag	cttgaatatt	aagacattgg	gcaagaaaaa	420
gatattcatc	caggcttctc	atataacagg	atgtctagac	taataccact	ttgttttatt	480
atgtccaata	ctaggaatct	ttgagggatt	aaaagagaaa	agttcacctt	ggcttctttt	540
ttaaaaattc	agaagattaa	acataaaatt	ttaaccagtg	tttactgatt	ccttttcaat	600
tttatattat	gatcagttaa	ggtacaggag	agaaatcctg	agatccaaga	ggaatcaaga	660
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tctgtccatc	gttcccagg	cttcccttga	gagaggagaa	gagtgggttc	caaataccat	1140
ttaagcacta	gtgatagaga	caaagtctct	gtcagactat	ggcaaatga	gaaaaataaa	1200
ggggaacata	gaatatggaa	acacatactg	cattgtttat	aagtgcata	gtgtatgaaa	1260
cctcattggt	ggaagcactc	tgaaaaacca	tgaaatgttg	tggaactgtg	cattattggt	1320
gttggtgttt	tttttttttt	aatctccatt	taaccttaga	gtcttgacgc	tgccccagct	1380
aaccactaga	atgcaaggcc	tgtggctgcc	atcgcttccc	ttcctctcca	gcgcacaaac	1440
ttattttctg	cagcatttcc	tcctggggaa	gaattgcctc	ttgcctgggc	cacacctgtt	1500
cagaggtata	gcccatacaa	cttacagact	tggcctctaa	gaggacccaa	aagaagtatg	1560
attttaggaa	atttatacta	ctctgccttc	ttttatctta	gtgcagtagt	gttatctttc	1620
taagacttac	aagcatttct	tgtttcttgt	ttgggattgt	ttgaatggaa	ggcatgatcc	1680
cttccttacg	ttgcttacat	tccaaacgtt	ttatcgtcct	tgtaagcaaa	caagacaatt	1740
tatggcattg	ccaaaaagtg	tccgtgtgta	ctttaaaatt	acttacatgt	tcaaaaaaaaa	1800
aaaaaaaaaa						1810

<210> 139

<211> 1879

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> n equals a,t,g, or c

<400> 139

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caaagaccga	atgcacggcc	ttgtagggga	cgccccagat	tgtcagggat	kgggggatgg	120
tccttgaggt	tttgcatgct	ctcctccctc	ccacttctgc	accctttcac	cacctcgagg	180
agatttgctc	cccattagcg	aatgaaattg	atgcagtcct	acctaactcg	attccctttg	240
gcttggtggg	taggcctgca	gggcactttt	attccaacce	ctggtcaytc	agtamtstkt	300
tactccagga	aggcacagga	tggtacctaa	agagaattag	agaatgaacc	tggckrgacg	360
gatgtcta	cctgcrcta	gctgggttgg	tcagtagaac	ctattttcag	actcaaaaac	420
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tgtcattggt	tggaaactgc	agacacaagg	tgtgggtcta	tcccacttcc	tagtgctccc	660
cacattcccc	atcagggtct	cctcacgtgg	amaggktkgt	tartccaggc	agttcacttg	720
cagtttctct	gtcctcatgc	ytccggggat	ggagccmcgm	cygaactaga	gttcagggtg	780
gatacatgtg	ctcacctgct	gctcttgtct	tcctaagaga	cagagagtgg	ggcagatgga	840
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<210> 140

<211> 1879

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> n equals a,t,g, or c

<400> 140

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gatgtctaat	cctgcrctta	gctgggttgg	tcagtagaac	ctattttcag	actcaaaaac	420
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aaaattgaat	ctttgtact					1879

<210> 141

<211> 556
 <212> DNA
 <213> Homo sapiens

<400> 141
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 ccagtgggca gttactgagc tttcctcctc agagccatgc tggcagccct gggacagaga 240
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 ttttagacccc aagtcaacct ttctgagcca cagcttcccg ctgggaataa tgatgcctgc 480
 cctatctacc tcacagactt gttatgagga taaagtgaga ttaaactgcc tcaaagtga 540
 aaaaaaaaaa aaaaaa 556

<210> 142
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (244)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1116)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1300)
 <223> n equals a,t,g, or c

<400> 142
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 tttataaaca gtgatgtttt ttattaacct atttcatcca ttcaaagaca ggcctttctc 180
 cacaccacat tttcctctaa aatcatgata acacttttaa attgatgggtg tcttccagtg 240
 tgnntcagcc agatggcagt gtgttacagt tccaggaaaa tcgttcacat cttccgtaag 300
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 gaatgcta atagtgaatg gaagaatttc catttcaaca ccttaggaaa aaaaaaactg 660
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 acgtaaagtc cgttgttacc tagataaatg taggtttgat ttcttggaag caatcactta 780
 agactttcca ttttcttcaa agcatcttac tcaacctgca tgtgggatct gtactgagca 840
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ctcccaaagt	tagttgagcc	tacacccagg	aatgaacaag	gacagcttgg	aggttagaag	1500
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ggtttcagaa	tcagagcacg	aagtgttcct	ataaaaaaaaa	aaaaaaaaaaa	cctttcctta	1620
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<210> 143
 <211> 1380
 <212> DNA
 <213> Homo sapiens

<400> 143						
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gcccttttcc	ccactgaatg	ctgcctgccc	atgtgtgtcg	tcttagctgt	tttctatttg	240
cccactgtgt	ttagtagaat	aattgaatct	gcagacagtt	ttgactagtc	cattttgcct	300
ctcactccac	cccgtgcct	ctcgtgcttt	ctctctctct	tccttacctg	cctgctgcca	360
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atacgggaac	tcgaaaccca	gctactgtct	gcccagcaag	gctgcagtgt	ccagggtgac	480
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ttgggtctccc	tcacgctgga	ctgtggcgagg	agtcttccaa	aactgctctc	agtgtcccat	660
cccctctgtg	tgcaatcata	tctgtgtctta	cttaaccaac	cattcatctc	ctagggcctg	720
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<210> 144
 <211> 1380
 <212> DNA
 <213> Homo sapiens

<400> 144						
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ttaaagctga	tcatgaaagt	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1380

<210> 145
 <211> 1048
 <212> DNA
 <213> Homo sapiens

<400> 145						
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cctggacagg	aagggcactt	ttcctagtga	actggccata	gatggttttg	gatggttcca	180
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raaaaaaaaa	aaaaaaaaag	gcggccgc				1048

<210> 146
 <211> 1882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1407)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1412)
 <223> n equals a,t,g, or c

<400> 146						
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aagcttcatg	tagaataata	taagctatgt	gaatcttttag	aagaactaca	aaacctgaat	900
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<210> 147

<211> 2254

<212> DNA

<213> Homo sapiens

<400> 147

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aatcgcttg	cagcacatcc	ccctttcgcc	agctggcgta	atagcgaaga	gcccagaccga	2220
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<210> 148
<211> 284
<212> DNA
<213> Homo sapiens

<400> 148
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tttccttatt ttcactgcat gcattttaatc actgtattac ttaatgtttg atttggttatt 120
atgggcattt caaataggca agcattgaat tgtaatgaca aaaaggctat tttatattaa 180
ggatatatgc atttggtattt cacacaccag agatgatatt aaacactgat tatttttatgc 240
tgctgtttat taaaaatggt tactataaaa aaaaaaaaaa aaaa 284

<210> 149
<211> 1615
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (591)
<223> n equals a,t,g, or c

<400> 149
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ttacctctcg atacctgctt actttctgga agtagtgggc aagtaagatt tggctcttgg 180
tttctaattt ttaaatttct gaatactgcc ctagtctgaa ctgggccttt atagattaat 240
ctttgcttca catttttagt gttgtattta aactatttta taatttaaaa atagattcta 300
atctgaagat acttttcaag aaatattatt aactgatgtc atcctcatcc cagcagctca 360
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aagttgaagg tttattgtcg ttgggttttt cagatgggtga catgtaaaact caggatagca 480
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agtgktttaa tcatcgtata actaatcgta gtgycaagaa gtycataatg nkgtagtag 600
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aaagaattac cttattttta gtttagtttct ttgtagttt actgtgtgtc tcttattcaa 900
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aagtaacaag ggcattttaa agcatagtct cttaagggtc actatagtgg ttctttattt 1560
aaggaataac tcagctgggt gcagtggtc acgsctgtta atcccagcac tttta 1615

<210> 150
<211> 1245
<212> DNA
<213> Homo sapiens

<400> 150
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gtccaaaaag ccagtttctt ttctgggtgt tgtgggcata cactttgttc tgctcctgag 120
taagtcacac tttgtcttcc aggtcctcta ggatccctgc aatgttccat ttgttgctg 180

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ctgtgacacc	aaaaacttgt	cccctgagct	ccctactcct	ctttctccta	tatttttttg	300
taattggctc	tgtcattcac	ctcactgcag	gattcagaat	cctgggtactg	ggctctgtat	360
ttctcttttt	cccttaccct	ccttatccaa	attgtcacca	agttctgctt	catgctctca	420
tgattttctca	cctgagttac	cctagtagct	tccaaatagg	gccctctgat	ttcaaccttg	480
gacactccca	ctatctttta	tattatggaa	agatctaate	atgttaccce	ccatttaaaa	540
tccctcagag	agcactgcag	atacaattca	agccagttag	cttagtggtta	agggtttaca	600
tgcattttctg	cagccatctg	cccctattct	tgcaccctaa	taatgccaaa	cttcttttag	660
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taactccagc	tactcagaag	gytgaggcag	gagaatcact	tgaaccaggg	agggtggagg	1140
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tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	ctcga		1245

<210> 151
 <211> 1961
 <212> DNA
 <213> Homo sapiens

<400> 151						
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gcagctaagt	acaaaagaag	gcgtgcgtgc	aagttataat	tactgcagac	aaaacttctt	660
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<210> 152
 <211> 936

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (699)
<223> n equals a,t,g, or c

<400> 152
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atcgggatcc tgggaaactt tgaaaagcac cccaaagaac tgatcagggg gcccatatgg 180
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aaagcctagt cctaaccctt aaagattgat cagtag 936

<210> 153
<211> 3853
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3808)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3819)
<223> n equals a,t,g, or c

<400> 153
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cgtccctcta gagggggaag tttgttgccc tggagaacat cagctgcaag attaatgcat 180
ggtgagaggg gactcccggt ggccgaatgn actctgtact aagtgccagc cgagcgccat 240
cacgctgaac agacagaagt acaggcatgt ggacaatatc atgtttgaga atcacaccgt 300
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cggacggtag acggagcaca aagacattcc ccttggcatc agggctgaag tggctgcgat 420
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<210> 154

<211> 1357

<212> DNA

<213> Homo sapiens

<400> 154

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atactacagc	gttatatgaa	cataatgttt	taaaaaaatc	ttgggtgtag	tttctaattt	480
tcactgcata	acaaatttga	aaccaaattg	tgaattttct	tgtagagggt	cttatttttg	540
ctacagtttc	aaatatattt	tcaaattcat	ctctttctta	ctagactgtg	agctccttgt	600
ggacaaggat	gttatttttag	ttataatgac	aactttaata	tctagcaaag	tgccaggcat	660
agagtattcc	tttattgaaa	tgaattgata	gatattgatt	attaaaatgc	tactacagta	720
ttctacgatg	caggctgaat	gtatattaca	gtaattctct	ggctaatttt	aaaagtaaga	780
catagaaaac	aaaacacctg	tagcattttc	tttattttaa	attgaaaact	tgttttgaat	840
cctttttatt	ttgtcaaaca	ttctatgcaa	atattgaaat	atgcaacagc	taaactttat	900
ggtacatatt	aattagtttt	attttccttt	tcaaaatcag	aaatgctgta	tttaagcttc	960
ctggaaatgt	cgacaatcat	tttaatgacc	aaagggtgta	cttatttttc	aacattgacc	1020
ttgatcataa	gtgcttctat	ctgctgagct	ttattttatt	tttttgga	gaaagtttgg	1080
tgggaagggt	gcaataaaa	cagaatctct	cttgctctgaa	ttatgcagtt	taaccctgtc	1140
catgttcttc	tgtactctat	tcttactgta	ttttagttat	tgtttcttac	ttatcactaa	1200
tttttactgc	aggctctgtc	tgtttcttag	aaagtacatg	catatatatt	tctataatat	1260
gtaagaaaaa	acctgtattg	cttattaaat	taaaattaaa	ataaaaaaat	tcatgttaaa	1320
tttttgaaat	gaaaaaaaaa	aaaaaaaaaa	aaaaaaa			1357

<210> 155
 <211> 810
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (43)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (54)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (59)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (806)
 <223> n equals a,t,g, or c

<400> 155
 ggaangagcg ccccaattac gnaaanccgg ctttttcccc gngnggggttg gccnggatnc 60
 attaatgcca gctggcacgg acaggttncc cggactggaa aagccggggc agtgagcgca 120
 acgcaattaa tgggggggttg gctcacttca ttaggcaccc caggctttac actttatgct 180
 tccggctcgt atgttgtgtg gaattgtgag cggataacaa tttcacacag gaaacagcta 240
 tgaccatgat tacgccaagc tcgaaattaa ccctcactaa agggaacaaa agctggagct 300
 ccaccgcggt ggcggccgct ctagaactag tggatcccc gggctgcagg aattcggcac 360
 gagccgagaa ggcccttaac tcaaagtagc ttatttatcc aaaatgttct ggatgcatca 420
 tctccaacca aggaccctt atttatcatg cctttgttct cttttccctc agatgtatat 480
 ttcttttaaa ataattttcc taataacaaa acttatttct aaaacagctt aaaaattcaa 540
 agaaaaaccc caaacactga cattacctac acttcacta cccaaagaca aaatgtgccc 600
 actgtgtgct tttgagtgtg ttttctttta gtttggtttt tgttggttgc atatttatga 660
 taataacaat gatggacttc aattgtactc actgttctat tgttggtttt aattagcagc 720
 aagttgtgat cactttccca ggtgaataaa tcatttcaaa gcaaaaaaaa aaaaaaaaaa 780
 aaaaaaaaaa aaaaaaaaaa aaaaantcga 810

<210> 156
 <211> 811
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> n equals a,t,g, or c

<400> 156
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 ctgctattca ttgaaatggt acaattttcc tgccttagta tttcacacgt ctttatactc 120
 ctcataacat tttttgcttg tgtagtttta gccccatttc agaaatgagg aaccaggtt 180
 cagaagggtt agaagcttgc tcaagacccc ccagctatta ggtgccagag ctgcaactgg 240
 aatgcagctt tgactccatt gtgggtttct gttccattat caagagtagc ctgacagttg 300
 gcaataacaa tgactgaatg aatgaataaa tgattctcca aagaaaatag ttcattgtttc 360
 cctagtatga gggaataact gagatagttg ttttgagaag ggggccacag accaggagac 420
 accaataagt cttttctcatt tctggtaaat cgctttataa tgaccgttat tataaagtgt 480
 aaaaacaaca acaacaaaaa ataataggcg cagtggttca cgcctataat cctagcactt 540
 tgggaggcag aggcgggcgg atcattttgag gtccaggagt tcgagaccag cctggccaac 600
 atgatgaaac cctgtctcta ctaaaaacac aaaaattagc cgggcggttg tggcgcgtgc 660
 ctgtgtagtt cacagctact cgggaggctg aggcaggaga atcgcttggg cccgggaggt 720
 gaaggttgca gtgagccgag attgtgccac tgcactccag cctgggagac agggccagac 780
 tccatctcaa aaaaaaaaaa aaaaaaaaaa a 811

<210> 157
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<400> 157
 cttaaaatgt gaagaaagtg tgaatttttag ttttgtcaca gttaactgtg tcaaagagaa 60
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 ccttagccac ctatgtacat actgctttta gaaatgtttt tttcctgttt atttctgttt 180
 ggtttatatt ctggttgtct ttttcttttt gtaaagagga aacaatgtac agaaaaacaa 240
 taaactgggt gtatggccat agctatccga aaagcaagag acaaagcaag acaaatattc 300
 acacaaaaat gaagtgtgtc ctctggaggg tcatatatc aatttctttt gtacagatga 360
 aaatcaatca gctgcttaga tttagaaatc tactcttgct ggtctttgta agttgcatga 420
 atatttgact ttgaaaaaat atcttaacga catggggcaa aaagtgcaat ctaaatggta 480

gcctttacta	atgtgtgtgg	aaagaggtgt	tcctcattat	ctaataatttc	aatgtgttaa	540
gagtttaatt	tttttgttat	cattaaaaaa	gacaggatta	taaagagata	tcaaagcacg	600
atttttagata	acctaaacgg	cccagcctat	acgaagttga	ttatatctcg	atgtctgttaa	660
aagattgctg	ttcttgagg	cttgaggtct	tgtgaattga	tttctgctt	tctttcattt	720
ttttcaattt	aagtaataat	acattttgtta	tattcctttc	agtgtaaagt	tctatttgga	780
caattttatg	ggaacatgtg	cattctctat	gtgagcttct	atcatattcc	tgttttatta	840
gcagaacct	aaggaattta	tttaatgatg	ttgtgacatt	actgcttttt	cttttttctt	900
ttcttagttc	atatttgc	tttcgttcaa	ggatattgct	agcaataaaa	tgttcttccc	960
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1010

<210> 158
 <211> 1199
 <212> DNA
 <213> Homo sapiens

<400> 158	ggcacgagac	ccattggaga	tcttcaacct	ttaccgattc	aaaaggggga	aaagactttt	60
	gttttgacac	cagaacttag	tcctgggaaa	cttcaggtct	taccttttga	gaaagcctca	120
	gtatgtcatt	atcatggaat	tgaatattgc	ttggatgacc	gaaaagcttt	ggaaagagat	180
	ggaggatttt	ctgaacttca	gtctcgtctt	attcgttatg	aaactcaaac	tacctgcacc	240
	agagaaagt	ttccagtagc	tactgtgttg	agccctcttc	catctcctgt	agtttcgtca	300
	gaccttgga	gtgtccctga	cggagaagtt	ttacaaaatg	aacttcgaac	tgaagtatcc	360
	cgactgaaac	ggagatctaa	agatctgaat	tgcctttatc	ccagaaaaag	acttgtgaaa	420
	tctgaaagt	cagagtctct	tctttctcag	acaactggta	atagtaatca	ctatcatcat	480
	catgtgacat	ccagaaagcc	acaaacagaa	cggtccttac	cagtgacttg	tccattgggt	540
	ccaattccta	gctgtgaaac	tccaaaactt	gctacaaaga	ccagttcagg	tcaaaaaagt	600
	atgcatgaat	caaaaacatc	aaggcaaatt	aaggaatcaa	gatcacagaa	acacacacgg	660
	atactgaaag	aagtagttac	tgaaccctg	aagaaacaca	gtattaccga	gactcatgaa	720
	tgtttcactg	catgcagcca	gcgtctcttt	gaaatctcta	agttctatct	aaaggatctt	780
	aaaacttcaa	ggggtctatt	tgaagaaatg	aagaaaacag	caaacaacaa	tgctgtacag	840
	gtgattgact	gggtattaga	aaagacaagc	aagaaatgat	acataatcat	tctctttaag	900
	acaattataa	attggatgga	gctattattc	actacttctt	ttcttagttt	gaaaattata	960
	aacaaatttt	aagctttatt	caaagaatag	atgttatatt	tctaaagaat	ttcatgaata	1020
	tatatcttat	atttgtatag	tttgagggat	gctatgttaa	tgtattttta	attagatata	1080
	tattttgtaa	agtgttacta	tatttttaag	ttatttttat	atgtttttaa	atgttttactc	1140
	ttatttaatt	attacaataa	acagaatttt	ttttttttta	aaaaaaaaaa	aaaaaaaaaa	1199

<210> 159
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 159	cagaagacat	accagtcaat	gggttcttga	aatagtcaag	gaatgtggca	attcacgctg	60
	gatgtggaag	gtggaaggaa	agacaagtgt	tagcaaatgc	agacctgtct	gctgtggaac	120
	ttgaagacct	tgctagtagt	caggctgctt	cctggcattc	caggcctgar	aggcttctat	180
	tttgactcaa	agcaaaaaca	aatgctatgt	taatgtcttc	ctatgtgtcc	ccttcataag	240
	attttgggtga	aatcatatta	aaagtgcatt	tctcagtatc	actctcagtt	atttagagat	300
	ttcagttccc	cagtaccctg	gcaagggatt	tgacgaacgt	agcaagaacg	tcgtgaactt	360
	tgagctaatt	tatatcatgt	tcattgtctg	ttaataaata	aaagccaaga	aaaccagagc	420
	aacaaaaaaa	aaaa					434

<210> 160
 <211> 716
 <212> DNA
 <213> Homo sapiens

<400> 160	ggcacgagca	ggattccgtc	tcacaaaaaa	aagaaaagaa	aagaaaaaag	agaagagaaa	60
	agaagaaaga	aagaaaggaa	atattgtcta	atagttgaat	ttactccatt	tatatgtatt	120
	ggtataacaa	acatttttga	gcctacatct	taccatattt	catgttgtat	ttgtatttga	180

attctttttt	attatatggt	ctgttctatt	ctttcttttt	ctattctccc	tttctgggaa	240
gactttggta	tctctttttt	atthtttcctt	tttttcctaa	gggaatggca	aatagtgttc	300
tcacagggtt	aggagcgggtg	gagtagaatc	taagaaactg	agatgaaagt	acatgaacca	360
tgcaggttca	gaaattgaca	atgcagctta	tgggtgtagag	agagatttac	aacgctatta	420
actttttatg	tggattcttt	gctttatgtt	aaagtctttc	tttttgttct	cttaaattgc	480
cttcacagat	aatttaagcc	tgtggctctg	gtctgtggat	cctctttcat	cataatcctg	540
aaacatcatt	tgtctttttt	actgatggta	cagaaagcaa	tgatggatga	taaaactgat	600
gatgccttac	catgagtcaa	ggcagcggca	ccaaactgta	atagtaaagt	tagtaaatagt	660
cgtatgttct	ttagtaagaa	ccaagcactt	cagtaaaaaa	aaaaaaaaaa	aaaaaa	716

<210> 161
 <211> 2503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2497)
 <223> n equals a,t,g, or c

<400> 161	ggcacgagcc	caaaccceaa	ctctcagact	tacctcccaa	accacagatg	aaggacctgc	60
	ccccaaacc	acagctggga	gacctgctag	caaaatccca	gactggagat	gtctcaccca	120
	aggctcagca	accctctgag	gtcacactga	agtcacaccc	attggatcta	tccccaaatg	180
	tgcagtcacg	agacgccatc	caaaagcaag	catctgaaga	ctccaacgac	ctcacgccta	240
	ctctgccaga	gacgccgta	ccactgccca	gaaaaatcaa	tacggggaaa	aataaagtga	300
	ggcgagtga	gaccatttat	gactgccagg	cagacaacga	tgacgagctc	acattcatcg	360
	agggagaagt	gattatcgtc	acaggggaag	aggaccagga	gtgggtggatt	ggccacatcg	420
	aaggacagcc	tgaagggaag	gggtcttttc	cagtgtcctt	tgttcataatc	ctgtctgact	480
	agcaaaacgc	agaaccttaa	gattgtccac	atccttcattg	caagactgct	gccttcattgt	540
	aaccctgggc	acagtgtgta	tatagctgct	gttacagagt	aagaaactca	tgggaaggcc	600
	acctcaggag	ggggatataa	tgtgtgttgt	aaatatcctg	tgggttttctg	ccttcaccag	660
	tatgagggtg	gcctcggacc	cggcgcgctt	tactggtttg	ccaaagccat	ccttggcatc	720
	tagcacttac	atctctctat	gctgttctac	aagcaaacaa	acaaaaatag	gagtatagga	780
	actgctggct	ttgcaaatag	aagtgggtctc	cagcaaccgt	tgaaggcat	agaattgact	840
	ctgttccctaa	caatgcagta	ttctcaattg	tgttactgaa	aatgcaacat	tagcaaaagag	900
	gtgggttctg	ttttccagggt	gaaactttta	gctccatgac	agaccagcct	gtagttatct	960
	gtgtacacag	tttacagcta	caaaaacctta	ctttgggtatt	tattacagaa	aagtgtctcag	1020
	ttaaatgtaa	gtgttatctc	ttcagcaaaa	tattcactga	cccaaaactc	tttatggcat	1080
	tttacaattgc	acacagcctc	atgcaagttt	agacaagtgg	atttatactg	tcttatgagt	1140
	gcccgcctc	gatatattac	ctcattatgc	aaaaataaca	tatctttcat	gactattttg	1200
	acaaaagtgt	aaaacacata	tgaagttaa	atttcaggaa	ccaaggactg	ccagaaaata	1260
	ttagcctcta	cattacgcac	gcatttagaa	gcttacctga	aatctgcctt	ttataaagga	1320
	atagtattgga	taagtggaa	tgtacatttt	ttaaacttga	ttgccattaa	agcagaaatt	1380
	ataagggttg	aacaatat	gtttctaatc	actggctttc	tcaagagtat	ggattgacat	1440
	attgtgttat	gaatgcacat	ctctcagatg	tgttgaagca	tccattgcat	ccatttttta	1500
	ttattttctt	agttttgttc	ttggacaaat	ttaaactttt	aaaagattat	tcaagatgaa	1560
	tttaaaagtc	aacccttcac	acagttttcc	tactgtatgt	agaatccagg	tgctgaaacc	1620
	aagtgtttct	tttcccatgc	tctttgttaa	accccaatta	tagataattt	ttccagtcct	1680
	aagctctgtc	caccttcaag	tcaattcata	accaagtttt	tgaacgctgc	tatgaattgc	1740
	actgtgaaaa	gcactcttcc	ctctcagttt	tcttttcata	ccagccatgt	ttatcagatc	1800
	cttaagaaca	ttgtatttca	gtcttttaca	tcagtctgaa	ttttggaaaa	gaatgcaata	1860
	gttgactacc	acagtcagtg	gaactgttcc	ctgagtccga	ggctcatgtg	tcattctggc	1920
	actacatttg	cttaaaattgc	tattttggca	acagcacaga	aaactaatat	ttttaagcag	1980
	agaatcttgg	caatgagtga	gagatgttaa	tttcacagaa	gcacaactcc	caaccaacc	2040
	cttaggaaaa	gcctcttcc	atcgttacag	tgctcagtga	atattaattt	agttctgctt	2100
	aagtggttgc	tatacaaat	ttgaatagcc	acctaataaa	taaaccttgc	atgacaaacc	2160
	tgcaaaatat	tttatcagct	gttatggaa	agtgatttta	agcaattgct	tcctcagtg	2220
	cagggcacat	gtgaatttcc	acaccaaaaa	gagcatagg	aaccagttga	catgctgggt	2280
	tgtgactggc	agcttttagca	gcctcgggtac	tgaagccaca	ccagtgtccg	gatggaagtc	2340
	tgcactctgag	gttgctcagt	gtcccgggtca	ttcattttaca	catttttaact	tgcattaaag	2400

05650081009100

<400>	162						
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tttcacctca	cttctgctct	ccttgcagg	gaatgtgatg	ttcatgcttg	ccattcttct		180
gacattcttc	cacccccttc	tggatatatcg	ggaatgccgt	acttggaaag	aaagtccttc		240
tgcaattgca	tagttcagaa	gccctcactt	ttcagccccg	aggatgggtt	tgttcatctt		300
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acacacacac	acacacacaa	aataaagaca	cacaaggacg	tctgcgcagc	aagaaaagaa		420
tctcagttgc	caagcagatt	gatatcacac	agactcaaag	caaaggcatg	tggaacttct		480
ttattttcaa	acagaagtgt	ctccttgcac	ttagccttgg	cagacccttg	actccagggg		540
agatgacctg	ggggaggaag	tgtgtcaact	atttcttttg	gcctgttttg	ctccggagcc		600
tatatgtgcc	tggtaccttg	cccacgggtt	aaattttcag	gtgaagagtg	aggttgtcat		660
ggcctcagct	atgcttcctg	gctctccctc	aagagtgcag	ccttggctag	agaactcaca		720
gctctgggaa	aaagaggagc	agacagggtt	ccctggggcc	agtctcagcc	cagccactga		780
tgtctggatga	ccttggcctg	accctgggtc	ggtctcagaa	tcacttttcc	catctgtaaa		840
attgagatga	attttgggtg	tgaagtctct	tcttggaagc	gatgtcctag	aagggttttag		900
gaatagtgac	agagtccagg	cacccaatgc	gccatgggag	ccagctgacc	tgcttgaccg		960
aaggatttct	gacagactat	ctttggggat	gttttcaaga	agggatataa	gttatttact		1020
ttgggcattt	aaaagaaaaa	ttctctcggg	aataatttta	tagaaaaata	aagcttctgt		1080
gtctaaggca	aaaaaaaaaa	aaaaaaaaaa					1108

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<210> 163
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (137)
<223> n equals a,t,g, or c
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<210> 164
<211> 794
<212> DNA
<213> Homo sapiens
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<400> 164
ggctaggcag agtgaccttt catctgatgc taagccccta caagtttgag aaggtaagaa      60
aagatgaagg agacatatat taggtcagct cttacttttg aaaatgtttt atttgaagaa      120
acacctgtag cattgagggtg actgaatgcc tccacttatt tcaggaaaac gtatccaaaa      180
aaagttgaaa tatttggaca actttttttt taagtgccat cgatttccct agcagcattc      240
taaaagatag caagtaaaat gatgtttgtt atcctaaatg ctttagtttt aggtcattta      300
ttaattttct tacaggtgca ctttctagta catgaagtat cttttgtaat taatgtgtgc      360
catatgttta ttcccattta gtataactat aaattatatt ttaaattata tatttttagg      420
atagttatat tttttttggg ttctacgaca ttgaagttgg actagtgatt tatttgaatg      480
ctgaatccta gtatagggga atataatcct atattttaac aggggtcctc tatgggaaaa      540
taggatgaac tttgtttccc agaaattggt aagtgatgaa aaacttcaaa ataattttcc      600
tgcattttct gctttattta catgtaaagt gaattccctg aaaattggat ttaaaaagca      660
ttctccttca atgtgccttt accttggagc ttttaacaact tttctgttaa atatgtagtt      720
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aaaaaaaaac tcga
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<210> 165
<211> 1145
<212> DNA
<213> Homo sapiens

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<400> 165
ggcacgagaa acagtttaaa ttctggatat aggatctcct atagcaaaac attttacttt      60
catttttcag tatttgctgc tttctagaat tctattagat aagctatgtc atttttctga      120
aaaagaaaact gagttattga gtgtattaag acaaggcact gagaactaca gtgtcaaaat      180
caaagggcat aaatgggcat ggcagtgtcg gtggaaaaat ctgtgggtact ggtgatctgg      240
ttagggcctg ttgcacaggc tgggagtaac tggtttgctg tttcaagcct ccaagagtac      300
cttaaacaaag gtgatagctc ctctcttctt tagcattata ttcttttagt caacaaagaa      360
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aaatatcctt cctcaagtta taaaggatac tttaatagaa cacagtctcc agaattcgct      540
gctatcacac caagtcatgc tgttgccctg tgacctcaca cttcccattc catggccttg      600
tcttggcagg gagtaaaaaa tcccacttct ttttacttta gtgggtctca actgcagcat      660
ttcagaaaca aattttgatt tgacactcag gagaataaaa acaagttgag ggcagaatgt      720
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tcaattttacc tccataaaatc tttgaattgt cactgtgacc acaggatgaa aatcctttat      840
tagccatttt ataggttaaa acaaaaaaatt gactacacag ccgacttccc tcagataact      900
atgaagtcta ttatgagtac tgaatgacca aagaacatgg aaaaaatgca tatgaataaa      960
tactgaaatg tttatgaaag atattttatga aagatattaa gacttctgtg tttaggtatg      1020
cacatatgat aaaataaatc taaaaacatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1140
aaaaaa
                                                    1145

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<210> 166
<211> 1927
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1899)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1922)
<223> n equals a,t,g, or c

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<400> 166
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<212> DNA
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<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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gttgcaaaaat	atgtaaaagtc actacttttt aaatagaata taaatgttaa aacagacaaa 420
tctatgttat	atattttttta atacatgtat cagacttggt agttgaatgc agattacttt 480
gctttatgga	atttcataac ttttaataat aaagcagttg ttattggaaa aaaaaaaaaa 540
aaaaaaaaaa	aaaaaaaaaa aaa 563

<210> 176
 <211> 2418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (171)
 <223> n equals a,t,g, or c

<400> 176	
gctcgtgccg	ctgttgaccc cactgagcag tgctaagtgt tggtttagtg gatgttcgtg 60
gaattgctga	cccatccaag ggcgtccttt ggagccagtg gagcctgccg gcgcatctra 120
ggggcagaat	gctgctanca cttgaatctg ggatctcgcc ttattctcaa ntagcaaggc 180
atctcgacaa	gcatggctca rgtctggtgg ccagcttgcc artacctgag ccggtcgggt 240

catctgcctc	tgagggaccg	tcctcaccga	gctcctgcac	cccttgagtg	ttgatcagga	300
ggcgctccaca	gcattgttct	cgccctctgaa	tgatgcttct	ttctgtgttg	gagcctggcg	360
aagttgtgtt	ttcaagccct	ttactttttt	tttccaagt	gggtaggagc	ttttggcagt	420
gtttacttta	cctagatggc	ttatataatc	cagtaagaga	tgcaaagata	aaattgctgc	480
ggttgttaca	gaagcatggc	ggcctccaga	ctgacccatt	ggttgccctt	tagattttgt	540
aaggatgcgg	tgctggggag	gtgggtgcttc	cctacccctt	agaaatgctg	ccttccaact	600
accactctcc	cagatgtgac	ccttgcgatt	atctcctctg	aggtttgagg	atgaagataa	660
gttgaggga	aagagagtaa	ctaatagggg	atgaaatata	gcagaagcta	gaagaaagcg	720
gtgaggtgag	agagatgcat	ctgcacgttt	tcttcaacag	caccaggtga	ttcagcatat	780
tcctaattac	ctttcactat	tcgtgtatat	aagatcgttt	acttgcataa	tatatcatca	840
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cgtgaagtgc	tggtgttgat	ttccatttca	gccagtgggt	agctgataag	ccagtgccag	1020
catccagcat	gagcagatgt	cggggagact	gggaagtctc	cagcgttact	gctctccttc	1080
ccttcatgat	aagccagtgc	cagcatccag	cgtgagcaga	cgctcggggag	actgggaagt	1140
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ctgttagtg	acgaggtctt	ccaaggaagt	gctttgcaca	ctttctttgc	tcctttttac	1260
agtctttgtc	tttgacgcaa	gcaaatgaaa	ttaagccact	ttgggataat	gaacattcag	1320
tataattcta	ctttgtctca	ttttggatct	cactgttgtc	tttataaaaa	tggcacattt	1380
tacaaagtag	tttattctta	ttatactttc	tgctggagag	tgccctgaaa	taaaatgtga	1440
gagtattctg	gtactctgtg	ttccagatgc	atgaaattgg	gtgaggaata	acccctagtc	1500
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ttgttagttt	tgaagagtgg	aggagctagg	ggctccagaa	agaatcttac	acatgtgttg	1860
aagacattga	tgatcatagg	agcggggagc	tgcatctcct	tctgggctgt	tactgctaaa	1920
tctcagtatg	aacagaccag	gcggaaagct	tggtggccaa	gcagtctgtg	tgcttccccg	1980
ctgatggaga	acgttgcggt	gttcacaata	gggcctcatg	ggtgtagccg	catggcagac	2040
ccatggctgg	cgcagctgcc	tggtgccgtc	tgtcttcagt	aactgctgct	ctgttaactg	2100
ttctattctg	atactacgcg	tggtgttttt	tacaacaggt	atgtttttgt	ttcagaaata	2160
tgtattgctt	ttctcatatt	ttttgcaaat	tgtattgtca	acatgggtca	tttaaagtcc	2220
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cagtgtggca	tatgtgcccc	tctgtatctt	ttgagaagtg	cggaaatagg	tgcttctacc	2340
acctgttctt	aatgtaacag	taaaagtttt	cacatttttt	tcagaaaaaa	aaaaaaaaaa	2400
aaaaaaaaaa	aactcag					2418

<210> 177
 <211> 1308
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1291)
 <223> n equals a,t,g, or c

<400> 177						
cccacgcgtc	cgccccacgcg	tcgcactcgc	cgctcggctc	accatgtgtc	actctcgcag	60
ctgccacccg	accatgacca	tcctgcaggc	ccgcaccccg	gccccctcca	ccatcccggg	120
accccgccgg	ggctccgggtc	ctgagatctt	caccttcgac	cctctcccgg	agcccgagc	180
ggccccctgcc	gggcgccccca	gcgcctctcg	cgggcaccga	aagcgcagcg	cagggttctc	240
taccctcgag	tggtccggcg	ccagctgcca	gtcgaggaac	cgaacccagc	caaaaggctt	300
ctctttctgc	tgctcaccat	cgtcttctgc	cagatcctga	tggctgaaga	gggtgtgccg	360
gcgcctctgc	ctccagagga	cgcccttaac	gccgcacccc	tggcgccccc	ccctgtgtcc	420
cccgctctcg	agccctttaa	tctgacttcg	gagccctcgg	actacgctct	ggacctcagc	480
actttcctcc	agcaacaccc	ggccgccttc	taactgtgac	tccccgcact	ccccaaaaag	540
aatccgaaaa	accacaaaaga	aacaccaggc	gtacctggtg	cgcgagagcg	tatccccaac	600
tgggacttcc	gaggcaactt	gaactcagaa	cactacagcg	gagacgccac	ccggtgcttg	660
aggcggggacc	gaggcgcaca	gagaccgagg	cgcatagaga	ccgaggcaca	gcccagctgg	720

030308-04101

[illegible]

<400> 179						
cgaagctcga	aattaaccct	cactaaaagg	gaacaaaagc	tggagctcca	ccgcggtggc	60
ggccgctcta	gaactagtgg	atcccccg	ctgcaggaat	tcggcacgag	acctcctgag	120
tttccatgct	cctttctgta	ccagggttaa	atgtagtctt	ctggagaagt	atttttgaca	180
ttgagctctg	ggacaggaca	ccttgggttt	gtggactgca	gccactatg	atgttattac	240
tctcttgccc	aggcctccag	tggaagtgca	caggcactcc	caatgttggt	aatgctctgt	300
cttccatttg	ttctggaatc	ctacgtgttg	gtctgtgggt	ccatgcatta	gctgtttgta	360
aataatgcac	ttgcatactt	aaagaggaa	gccacctgcc	acagttgatg	gtgaggaagc	420
tccttgacgt	ggtgcaattt	tgaatgagat	ttcttggggg	acacgaggat	gccctaatga	480
tgctgacttg	tcatggttgc	agcatttgaa	cttttggtgt	taaaaaaaaa	aaaaaaaaaa	540
aaaaaaaaaa	aaaaaaaaaa	a				561

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<400> 180
tttttttttt tttttttttt tttttttttt tttttgccat tatagtgtgtt aacatttttta      60
ttgcatattt acaatgtgtg gaacattata aggattttaca gtagaagcca aatttcccag      120
cccttaaaat tttaatagga aaaatcgaat aaaccataca tatttttgaa aatgagcatt      180

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agaaacacac	agatgattat	aattctatag	actaatacag	gtgaatgctg	tatggaatag	240
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ctggggggta	ttgaataaag	agacaatatt	gaaaatattt	ttaaaccgga	aaatgtcccg	360
gtaaaagcat	agctttttccc	ccttatgcaa	aacttgtgag	gtaagaattt	tttccccacc	420
ccgtttttctg	ctctttctggc	caaccatttg	gggggacttc	cctgtcccgag	gtgactctct	480
ctcacatagc	tgtaccttgg	ggcttactag	caatacatgc	tttccactac	cccctcaacc	540
tcatacacaga	aataaccttt	tctgttcaat	gatcagtcct	actttaccta	ctgaaaacgg	600
gtggtgaaag	ttagtaacat	aaacaaacca	gtgctgtttc	ttctagctaa	catatcacca	660
tgggtgggct	ttaacctttc	aaggagttaa	atattgctaa	agtttcaggc	ataggaaccc	720
cttgaggagc	tgtctggggc	agacaggctc	ttgctttcct	cagatagtgc	caattgtcat	780
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gatcataaaa	atagttttaca	cctttatgca	catcaaaaata	caaaatacag	ggcacaataa	900
aactgaactg	gaaaaaggta	tggcagtttc	ttttaaaact	accctgtgac	ccagcaattc	960
taatccaagg	aattttactgc	aaagaaatga	aaacctatgt	tcacaaagac	ttacgtaaga	1020
atggtcatag	cagcttttatt	tataatggcc	aatcctggaa	acagcccagg	tatctatcaa	1080
taataggaaa	ttaagaaaac	aaactgtaat	attgtcatat	agtggaatac	tactcagcaa	1140
taaaaaagaa	cagcaataaaa	aaaatgaagc	cctgtagaaa	agcgtacatg	ttgcgtgact	1200
ctattttatat	aaagtttttag	aacagaaaaa	tcttatggta	gaaaaaggaa	cagtgggttgc	1260
ctttgagggt	caagtaggga	caggaattga	ctggaaaggg	cagtgtggaa	actttctagg	1320
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gttaatgata	tgcaatttaa	aatgcatcaa	ataataatat	gaaatgatga	atggatatgt	1500
gacaaagcaa	gcataggtaa	tgctaattag	catctaggta	gtgagtacac	tataaaaatta	1560
ttaacttttt	aatgtatttg	ataattttca	taacaagatg	ttgggtaaaa	atacagggtg	1620
caatgtttac	caaatagttt	tgctgagaat	ttcattactg	attttatgac	agtaagatca	1680
tcaaattctt	ctaagtgtcc	attgagacgg	acgcgtgg			1718

<210> 181
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (407)
 <223> n equals a,t,g, or c

<400> 181						
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ggttgcagga	aaagcctgga	cttcaccact	tcgcaatata	tccgtgtaac	aaaactgcac	120
ttgtacgcct	tatatattata	caaatttaat	tttttaaaag	ggaagagaga	atcatattaa	180
tttctcacca	ctttttaagt	aagcaaacag	cagtatttcc	cagaggcaag	aggttcagca	240
agaagtcagg	aaatgttttt	gtagataaag	atctatcatt	ctgatggggc	atgactatgt	300
tgttcacttg	taattccttt	gccttttaaaa	aaagagaatg	atatcaaaaa	ataagtgcct	360
tatactgtga	aacgataaaa	ggacttcctg	attctaaaaa	aaaaaanaaa	aaaaaaaaaa	420
aa						422

<210> 182
 <211> 2234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2157)
 <223> n equals a,t,g, or c

<400> 182						
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taatacagat	gtgaaaaatc	ttgagttata	agcttcctgc	atgcatgaga	cttgttttta	120
ttttgctgct	ctagtgttat	tggtttttatt	acgcaaggag	aaagaaggca	gggaatttat	180

ggtcaggaga	.ttcctgggtca	ggaggttcat	agtcagaaga	tctagactgg	gtcacaagaa	240
atgacagaat	ttaagcattt	gagccaggga	ataagaatgt	gtgtgctctg	cctgtgtttt	300
ccacattcat	tttactcagc	attgcactgt	catcttgctt	aagaacaatt	cagtaggtca	360
gaaacattgg	attccaaagc	tgttaatgg	ttattttcca	tttcttgctt	tcgcaatata	420
tgaataaag	ttatatccca	gataactgat	gggaaaacag	ggttcaaagc	tataggatat	480
atgactcatt	taacataaaa	ttattcaaat	taatgaatta	gcaaatactc	ttgtgtttat	540
aataagcaaa	tataagtttt	atcttgctta	ttataaaaaga	aatgtctaaa	cattaagtgc	600
aaaaccaaac	taggcagcag	gagaaggaaa	ttagttaatgt	tgttttttata	ataaggattg	660
taaaaccaat	atcttagtga	aattctcaga	aagcttgatt	taaaaattta	tcaaaattcg	720
ggagtttttt	tgtttcat	gggtctattt	tcagtgggtt	gaggtcttag	ttctgcagcg	780
acatcttatg	gagttgggta	gtttgcacaa	ccatttaata	atgtctgcca	gaactgatca	840
ttgtctaaca	gatttgatgc	aaataggatc	cctgcctgcg	ctttgaatgt	ggaagtaatt	900
aaacggatgc	tatgaggact	tttatttttt	tctctgttgg	tgcttatcta	aaatttcctt	960
atcatggcaa	ctgtataatt	tttaagacac	tccaaaatat	gtactgaggt	ctgaaattct	1020
cactacatat	tccaagttag	gataggagg	gagaaggag	ctgttgaata	gtgaaataag	1080
acagcagtaa	aagatcacag	tacagctgg	gtttgttggc	aagagtttcc	acttaaaaat	1140
ttgcagcagt	gcaagtacct	caattattat	tggcgctttt	cactgttcgt	gatcaccagg	1200
agtgaaaaaa	aaagaaaaga	aaagaaaaga	aaattgaatt	ctttgaagct	cagagaagta	1260
aactgaaaaa	tttttgagta	ccgaaattta	cccatttctt	cttctgattg	tgttcttttg	1320
aacagaacac	attgcattaa	actctagaaa	gaaaaaaagt	gactgttttc	atatttttat	1380
gattggagtc	acattcttaa	gatctataat	gtagattaca	gcaccatttt	gttatctgct	1440
agaagaaata	tagctaata	tctctaaatt	agtaattgta	cattttat	tgcttcctat	1500
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gtaattttct	ccaaagacag	gccataataa	agaggaaaaa	tataaactat	atgacactaa	1680
aaatcctgtt	aatcttgatc	aatcagtgaa	tgaaacacta	attgtgccaa	acaacacatt	1740
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tgccattatt	atcactgggtg	agtaaagatc	atgggtgaatc	attgtcta	atcttgtgat	1860
cttgctcaca	tataaaaatt	gccaggggac	ttcattaatt	atgattgcat	cttaagggct	1920
ctggacattt	tcatgagtgc	cacaggacac	ctagaaaata	attgcatctt	ttgagaacca	1980
tgtgccagtg	acaaggtaaa	gctcagggtt	tatattccag	agattctctg	gcaaatagagc	2040
attgcctgcc	ttaatattct	aagcccatca	gttagaaaaa	gctgacccta	tgacttaaaa	2100
ttgcatgctg	catgattaga	aagatagata	acaatatatt	ttaaagaatt	atttgtncct	2160
cacacatgcc	caacaagatt	gaatgatttt	aattgaattg	aatattggta	aatttgctag	2220
aaaaaaaaaa	aaaa					2234

<210> 183
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 183		
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gaatcctggg	ctaaggattt aggttttaatt ttgctagaca aagagaactc aagcagtgc 120	
gtctaggagt	gttatgtaag cttagattgga ctttagagtc cggagaccat gcgggaagat 180	
actgtgtgat	aagggcctga aacatgttgg ttacagtgag actagaaatg ggataaatcc 240	
agagctgttt	caccagtaga cttgcctgaa tatcctgtct gactgagtat ggatcaaaaa 300	
aaaaaaa		307

<210> 184
 <211> 1758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1720)
 <223> n equals a,t,g, or c

<400> 184	
tgtcccggcc	tgaggtgtcg gccggatccc tccttctccc ggcgctcaa gcggaagacc 60

attcctcaag	aattttgtat	ccaaggccca	aaagtttggt	acccaagatg	atgaatgctg	120
acatggatga	tctctctgca	agagtagatg	cagttaagga	agaaaatctg	aagctaaaat	180
cagaaaacca	agttcttgga	caatatatag	aaaatctcat	gtcagcttct	agtgtttttc	240
aaacaactga	cacaaaaagc	aaaagaaaag	aagggattga	cacccttctg	ttttatggaa	300
ttgctgctga	tcattttttc	tttaaaactt	ggatagattc	caaaagttac	agtacctttg	360
tggcttcatt	gaatattttat	gaagataatg	tcagatgtag	acaaaaataa	cacaataaca	420
ggagacttcc	ataagtttgt	gtattatggt	agtctatgaa	aacgtgcaaa	tgtattgtag	480
agacttttatg	attagaattg	catatattta	tgaaacttaa	agatgaatgt	tttattgaat	540
ttgtaggttt	agcactgtct	tttattatag	gattagtaag	atatacaaga	aaataaccac	600
cgtgttgatga	aaaagtgacc	aaaatcatgt	actaaatgca	cagcttttatg	taccctgtcc	660
accatcttgt	gcctcttctc	catttgcttc	ttccttccca	tttcccttcc	gctaaggaaa	720
aaaattgggtg	tcacatttgt	aaaagtaatt	ttaatagtta	atcatctctg	agagtaacct	780
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aggctaaaaa	tgaagggttt	tctttgaaac	tgaattaact	tggaatatt	tgttggttaa	960
aacttctttt	tgcccaaaat	aactcatttt	gtattatctg	aaaatatata	atttctggtc	1020
atgtgtatgt	taaaatagaa	aattttgagg	aaaaatggaa	atagggtgga	aaagtactcg	1080
gtaaacagta	gtaaccaa	atcttctctc	cagattttgtg	ttttctctgg	cacagagtag	1140
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ctggatgaga	acagttacaa	agagtttggt	ctctaagttg	atttgtacct	agtgggtcaa	1260
cttctgcaaa	attccgta	ggtgtattag	tattagaata	gtgaataaaa	tgggaaagtt	1320
atacatgtat	acttattatc	ttgctcagta	ttttatctca	cttgttctag	aattttctgt	1380
aaaccctgct	actgggtttg	aagagtttta	gtcatccttt	aacaattttt	aaaaatttag	1440
cttctagatt	ccatttggtg	aggaaatcaa	tattggaagt	attgctaaaa	tcttataata	1500
tgaagaagaga	tccactaatg	tagcttaagg	ttattagatt	tgggctttta	atcatggaat	1560
aatcttatgt	attggtgtaa	gagttgatga	atgactttag	ctgtgtgaat	atataatagt	1620
caaactgcaa	acattttgca	tcccttttgt	gacctaat	acagacattt	aaattgtgtt	1680
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aawaaaaggg	cggccgct					1758

<210> 185
 <211> 1056
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (46)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (131)
 <223> n equals a,t,g, or c

 <220>

<221> SITE
<222> (1015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1052)
<223> n equals a,t,g, or c

<400> 185
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catagaagac accgggaccg atccagcctc cggactctag cctaggcctt tgcaaaaagc 120
tatttaggtg nactataga aggtacgcct gcaggtagcgt gccggaatt cccgggcaaa 180
ttacgttgat tattattttt attttttgta tagcttacca cttacgtgta tatctctaaa 240
aaataccttt gcatgcttga actttacata aatgtcttac tatatgcatt tttccacaac 300
ttcctatatt cattcagtag tatgtttttc agtttcattc atgatgttgc actgaagatt 360
atatattttc actcccgtaa atttgattat ccaaaagagt tcatgtaaga ttggaatgct 420
cacttctttg aatgttttgac agaactcagt taaattacct gggattgggtg tcttccttat 480
ggaaatattt gaattatcaa tctcacaccc tcaatgattt taggactagt attatttttcg 540
gtttcttggt gagttcattt tggtattgca ttttaattttc taagaatttg tctatattca 600
ctgaattttt aaaaatcatt gcttgcatctt tataatattc tctaccttg aaaatataaa 660
tgctgcattt gtctttattg ctcttttcta ttcttcatat tattaatttt taaattaata 720
ttttaattaa ttgaagcctt ctytatataa cttagctgaa attcttgtag ctttgcttcc 780
tattcactaa ttccactata atgtttattg tttgcttctt tcttggtgaa aattttgtga 840
atcttgtttt tttttataat ttccataattt ggttctaaac tattaaattt aagtctttcc 900
tattttctaa taaaattttt ttgaaagcgr aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 960
gcgccgcgtc tagaggatcc ctccaggggc ccaagcttac gcgtgcatgc gacgncatag 1020
ctctctccct atagnagatc gcattataag cnagct 1056

<210> 186
<211> 470
<212> DNA
<213> Homo sapiens

<400> 186
ccggaattcc cgggtcgacc cagcggtccg gttttgttac tttttattat ggaaaatttt 60
aacatacaaa tgagaggaga gtgtaatgac ttacacatac aatatatgtt catttcatgg 120
ttcatcttgt ttctgtctata tcccctttcc tccccttct tctcccagaa tgttttgaag 180
caaattctcag acatcttata accttattat ttcatccaaa agtatttttag tatccctgaa 240
agatacagct cttcaaaaaa gaaaactaca ataccattat cacacctgaa aagttaattc 300
atcagctatc cagcattcaa gttaccttgg ttgtcttata aacattttgt tttgttttac 360
agtatgttta tttggatgag atttaagaca aagacaatac actacaaata gatgtcaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc tttagaggat 470

<210> 187
<211> 932
<212> DNA
<213> Homo sapiens

<400> 187
ttgcaaaaag ctatttaagg tgccactata gaagggtacg cctgcgaggt accgggtccg 60
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gtttaagctt ttttcggaat caagcccaca ttcttcagca cggcattgaa gactcaggag 180
ccctcccagt ctggccccat gcacagatgg aaggctttct ttcctgggtc ttatccttct 240
ctgcacaata ctccagtcac accacaccat ggactgctct ctgaccctca tggcattcca 300
gtggcggttat gctctcatat agccttctct atttgccac cttgcttgct tctgactcat 360

attctattcc	aaggctaagc	tcaaattgtca	tcatatctct	caaactgtcc	ctcacactcc	420
cgccccca	tgatttagtt	gtattctgcc	ttttgttcca	caggtctttg	tacatcatgg	480
tattatgggtg	tttaagtctg	tacatatgta	tttgatttgc	catccccaac	ccagggtcca	540
agccttctga	aggtagaaaa	ctgtatcaca	taaatgaaga	atgaatgaat	gaatgaatga	600
gtaaataattt	agcctatctg	tctgaactgc	ctgctctgtc	ttagccattg	gaaacatgct	660
tagaactaaa	tcatttttcta	agaaacaata	gtcttcctta	gtattaattt	tatattattt	720
ttctctcttc	tctccaagcc	cttatcactt	ggattcttgc	tattttactt	ttgctttaag	780
atatccctgt	tgtcttatta	actackttga	gtcctacaca	gatttatgta	agtgagaaat	840
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aaaaaaaaaa	aaaaaaaaaa	aaggggcgcc	gc			932

<210> 188
<211> 1953
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (742)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (946)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1038)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1264)
<223> n equals a,t,g, or c

<400> 188						
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tcctgtgatc	gagccggccc	tgaggactct	gtggagatgc	ctgtaacca	ccggaaatca	180
gacgcatctg	acatgaatc	agacacgtcc	cccagctgca	ggctccgagc	cttcagcaga	240

ggcggcagct	ggagagtcga	agcagcagct	ctcgctccag	aagcttcact	ttggatgatg	300
agagcctgaa	gtacctcacc	catgaggaaa	aggatgtgct	cctgtttttt	gaagagacga	360
ttgactccct	agacgaggac	tttgaggagc	cagtgtgtgt	cgatggagga	gtgtgctgcc	420
tctgctcccc	gtctctggag	gagagcacct	ccagtccctc	cgagcctgaa	gatgtcatcg	480
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gcagmagggc	ctgcacctgc	tgggaaggag	cacaggaaac	aagatgctga	gactcctcca	600
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gatcccccca	ggagggactg	cgcgccccct	ccccgcgggt	ggagcacccc	agactcctgc	720
gctctgttcc	cacgccccct	gntatggcgc	agaagatttc	cgagaggatg	gcggggaaacg	780
aagccctctc	gcccacctcc	ccgttcaggg	agggccggcc	cggggagtg	aggacacctg	840
ccgcccgggg	gccccgcagt	ggagaccctg	gccccggggc	cagccacccg	gcgcagccca	900
aggcaccccg	cttccccagc	aacatcatcg	tcaccaacgg	cgcggnccgg	gagccccgca	960
ggaccctgtc	cagggcgggc	gtcagcgtgc	aggagcgag	ggcgaggtg	ttggccacca	1020
tccacggnca	cgccggcncc	ttccccgccg	cgggggacgc	cgcgagggg	gccccagggg	1080
gcgggtcctc	cccggagcgg	gtggcgcggt	gccggggcct	gccgggcccc	gctgagagtc	1140
tccgggcagg	gggtcagggt	ccgcggggcc	cggcgctggc	caacggcttc	ccaagtgcgc	1200
acgaggccct	gaagagcgca	cccagytcnt	tcgcgccgcg	tgggaagtcc	ntctgcttcc	1260
gccttgcccc	ggccctgccc	agcackcggg	cccgtcagag	cttccccggg	ccccggcagc	1320
ccaacggcgc	ccaggactgg	cgccgcgcag	actccctgcc	ccggccccag	ggcatcacccg	1380
tgcagttcgc	gggcccgcgg	tcctcggagg	aggcgcgag	ggaggcctgc	ggaagctggg	1440
gctgctcagg	gagagttcgt	gagggccgcg	cgggctccag	tccaccctgt	ttctccccac	1500
cctgaagaga	gggtgaaaga	gtcgctgcac	ccaggagctg	tttgggtctaa	aatggaagtg	1560
acagcgggag	cccctgccct	ctgtggcaca	tcggagtcta	gaggtgcctg	gctggggcct	1620
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gacccatagg	tttccgtgat	gtgtaaatgc	catcttttgg	gggttgggag	gagtaggact	1800
ggtctgatta	tcattcttga	gtctcatcta	ccctcttctc	gaagtacatg	acatgaaagt	1860
tcagatccct	tccactcagg	attctcgcgg	cctttttctaa	gaaaataata	aaaaaaaaatg	1920
cttgtttcaa	aaaaaaaaaa	aaaaaaactc	gag			1953

<210> 189
 <211> 1008
 <212> DNA
 <213> Homo sapiens

<400> 189						
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ccgtgccagc	cttcattcct	cccagtgtcc	aagccccctcc	aggaggggtcc	tgggggtgggc	120
cagatgcctg	cccacctctg	tctcctgcct	ctgctcctct	gcccttctta	tagccagaaac	180
ttgtatcttc	tcagcaacct	tcactttgtc	cttgtccctt	taccattccc	catcaaagag	240
tagtctgcta	tatcaatttg	tgtagatatg	tctgtctttt	tgggtcctca	gagaaaaatgc	300
ccattttctc	ggagaattct	ctgcactcct	ctctgcttca	cattcaactt	ccctgttctc	360
atctttggta	ggattctgcc	agttgtcttt	gcattctctg	ttcctgggta	atgggtgggtc	420
ttaatggagg	ctgggtggac	cactgcccgt	ccactcttca	acaggaggaa	cagcatgccca	480
ccacagtaac	acacattaga	gaaaggacag	aggtctgtct	cttcttgcca	cctttctcct	540
ggccccctag	cattccccca	gtccctccct	cttcaccttg	ctcctgtctat	gtcttcccag	600
ctcagccttt	tccccactct	taaatactgt	actacttcac	tgtaagaacg	aaagaatagt	660
taggatacca	atgagtaaaa	gggttccctgt	tcactctgac	tctgtgcaaa	ttgtattaca	720
gtagaccgct	gacgttccca	agtgcacagt	ccagggcctt	tcaaacatcc	ccaaagtcat	780
ggccatactc	accattagcc	agtttctaac	atctgtttca	gggtatccag	ctgtagatgt	840
tcttatcccc	catacttggt	agttcttggg	gttgctcaca	aatactaggg	gtttttgttg	900
tatttttaac	aaatatatcc	taatgtcata	tttattctct	tttgtaactg	ctgtctttac	960
aataaagaaa	tcattctgcct	ttctatctta	aaaaaaaaaa	aaaaaaaa		1008

<210> 190
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 190						
ggcacgagca	ccctgcagct	ggagctggag	accctgctgt	cttctgccag	ccggcgccctg	60

cgtgtgcttg	aggccgaaac	ccagatcctc	accgactggc	aggataagaa	aggtgacaga	120
cgattcctga	agctgggtcg	agaccatgaa	cttggagctc	ccccaaaca	tgggaagccc	180
aagaagcaga	aactggaagg	gaaggcagga	catgggcccg	gccctggccc	aggacggccc	240
aaatccaaaa	accttcagcc	caagatccag	gaatatgaat	tactgatga	ccctatcgac	300
gtgccacgga	tccccaaaaa	tgatgcccc	aacagggttct	gggctagaga	acatagaagg	360
gggcctcaaa	gttctggtgg	tggaggcact	ggtggggcaa	gggcgcccac	tcaggatttg	420
g						421

<210> 191
 <211> 1086
 <212> DNA
 <213> Homo sapiens

<400> 191						
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cactggttct	tcctgtcctc	ttgctctagt	ctgtatcaga	aagcagaatg	actgtacttt	120
tgttttacaa	acaaccacct	gataggacgg	acactccacg	agataaggaa	aggcactgtc	180
ccttgagctt	gaatggaagc	agcctctgga	gggggcagcc	actgcccttc	gagggagagc	240
agctcttcag	cagtggccag	agtgccacgt	gactctgcag	atgacccttg	ggagccgggt	300
gatgggcacc	tgctggggct	tttggttttt	cttttttact	ggctggcttg	atcctcagtg	360
gcaaaaggac	ccctgagccc	cttctccgag	ccctggagca	ctcctcgga	caccgagtgg	420
cctcagggct	gggttcagag	ctcctcccgc	aggggagcct	cagaagtgga	ggcagctgct	480
gatgggtgag	tttacaactt	cttatcctgc	ctaaggcgag	taggcgtttt	tattccgttt	540
ccagtccttg	agctcagcag	atcaaaataa	cagtgaccct	gcaacccac	agagcccgcg	600
acacgctcgc	tttcttcccc	gccctgcccc	tttagtcccc	gctctggaag	gccaggcagt	660
ttaggtgtaa	ataggtatct	tttatggttt	ccaaatgaat	tatttggtgtg	agagtaatta	720
aatctgtaag	aaaacctgtt	gagattcttc	actatgaatt	atgacttcta	caacatgtat	780
tttagcaaaa	acacgatgct	ggcctccact	ggatagctca	gtatgctgat	tgccagtgat	840
agttctgtac	gcgttaccaa	cagcgtcttt	attaaccctc	ttccacatcc	agtggaaatc	900
attgctaggg	ggtatttgtt	ggttggctgt	tagctttgct	ttatgatttc	atgtttcttt	960
taaaggttgt	tttgcatggt	gaatattaaa	tttttttttt	ctgtgtcttc	ctctaaaaaa	1020
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1080
aaaaaa						1086

<210> 192
 <211> 1038
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> n equals a,t,g, or c

<400> 192						
ccacgcgtcc	gcttactcaa	ttttctacaa	gttcatccat	aaaatctgcc	tttattttaca	60
taaaattata	taaaatattt	gaattaaaag	agatcataaa	taattctatt	ttttcccagt	120
tcatgtggca	ttttagacat	antcaaaaatt	tgtagcggtta	tttttttttc	ttttccaaaat	180
ctttaaaaag	catctataac	ccactgaata	agatgggtta	gaagatgaag	ctgctgagaa	240
gtgctgcaaa	gctgatggta	ttgatataca	cacaaacatc	atatgctttt	ggggaacagt	300
gcactcattt	gaccttattc	ctaataaatt	caaacagtgg	gaaaattcct	ctaacttatt	360
tttaaaattc	tcttttaatc	tattacttcc	ctattgggtga	atgatacaaa	ttagtttctt	420
gacctctgtt	cagatactgg	gttacataca	atttttggcc	atttaagtat	actgtaaatc	480
cctccagaaa	actttcttat	attgtcttgt	gcttcacagc	tagttttcag	gcatatgtac	540
tgcttacaaa	ttagtttggt	atttaaaaag	gagttgtggc	ttgagttaca	aagattttaa	600
gttaaagcaa	tgctcttaat	aattttctatt	ttctcactga	atcaattcac	actagacacc	660
cctttaactt	ccatatacat	gatcactcac	cttctgtcca	aaaatctatt	ttaggaaaga	720
gcagaagtac	aagaggacct	tgtaaacaat	actactaata	ttagtaggaa	tacggcaagg	780
tttaagagtg	acaactttag	cttcactact	ttcaagctgc	ttactagctg	ggacaagttg	840
tataaattct	ccgagcccat	tttctctcatt	taaaaaagg	gccatagaca	tttttccaaa	900
gacatacaaa	tggccaacaa	gcacatgaaa	agatgctcaa	tatagttaac	cattagggaa	960

09950063-094764

atataaataa aaaacacaat ttcaaccaca atagtactac atacacatta gaataattat 1020
gttaaaaaaa aaaaaaaa 1038

<210> 193
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (757)
<223> n equals a,t,g, or c

<400> 193
caggacctgg aacgcgcggg cctgcggcag gggagttaga gcagcagctg cacgcccagg 60
ctgcggagca cctggaggca caggcccaga actcccrget gtggcgggcg cacgaggcgc 120
tgcgaacgca gctggagggg gcgcaggagc agatccgcag gctggagagc gaagsacgag 180
gccgccagga gcaaacccaa cgagacgtgg tcgccgtctc caggaacatg cagaaagaga 240
aagtcagcct gctacggcaa ctggagctgc tcagggagct gaatacacgg ctgcgggatg 300
acagggacgc ctgcctgggc ccacctgctg ctgctgctgt tgctgggctc ggccccccag 360
acgcggctct ggccaccttc ccagtgcctg gtgaccagcc ccgagtgact cacggaccat 420
gagctagaag ctgcccttgc aggaggcttg tcatgggtcg ggggtgcca ctcaggatgc 480
aggctctccc cagggggccc caggctcgcc tgactgaaga catgaaggac ctagectagg 540
agtggtcagg gtcccgggag tggccagggt cccgtgtgtg cccctctgcc gtcttcgctc 600
tgtccccgtt caatcaacct catctcagtt cagcagaaaa cccctctgct aaataaaacc 660
cactgactgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaattnaag ggggg 765

<210> 194
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<400> 194
ccgggggaat nanagggana acntccctt actanagga acaaaagctg gagctccacc 60
gcggtggcgg ccgctctaga actagtggat cccccgggct gcagrcggg ctgtgctggc 120

tgcccgagct	ggcccgactgg	ccatgggtggg	ctcagcaatg	atgggggggca	tcctgttggc	180
cctcattgag	ggcgttggca	tcctcctcac	tcgctacaca	gcccagcagct	tccgaaatgc	240
gcccccatc	ctggaggacc	ccagccagct	gccccctaag	gatggcacc	cggccccagg	300
ctacccagc	tatcagcagt	accactgagg	aagccactgc	caccatggga	gctacttctc	360
ggttccctcc	ccgatgggtct	acctcgaagg	gaggggtggc	tcccagttag	ccctgggacc	420
ctccagagag	ggtttctact	ctgctcccta	gtcccagggg	gggggtgggg	caccccagct	480
gccctgacag	atgggtcccc	tttttctctc	tcagggcacc	ccagccccac	actcacatgt	540
acgaagtct	caccccagct	cctttgtgtg	gcacctgat	gagtatttaa	agcccgtttt	600
gaaatgccaa	aaaaaaaaaa	aaaaaactcg	agggggggggc	cccttaacct	atttgggcct	660
taaggggg						668

<210> 195
 <211> 893
 <212> DNA
 <213> Homo sapiens

<400> 195						
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ggggcagctg	gtagtgtcca	gaagaatgga	cacctgctcc	agatttagat	gcccattctg	120
gcttttgttt	gatttgcggc	gttcctgtct	tctgtaaagc	tagtgagttg	tccaagaga	180
ctgatgccac	agcttggtcg	cagtttacac	aaactcagct	ttaaaattcc	aatagaatc	240
tgacttgcaa	actctagctg	cagcatgtgg	agcttctaga	tgtttactac	cttgaatggt	300
tgtcagtgtc	actgaaccac	aggggagagg	agtatggggg	agagcaatgg	tctggggcaa	360
ggaatggtga	gcttaggggtc	ttcctctgac	tccttactcc	tcaaggaggc	agttaggggc	420
cctcttaagc	aggcttctat	ttcttaccac	taaattgggt	tcctttttca	tccagaagtt	480
agaactcccc	agatattcac	actataggat	ctgaattccg	agattctaaa	atatcttaaa	540
ccacaagaga	gaaaatctag	ttctgcctca	gccccagtc	gcaggccatc	tgcccttcc	600
tctcctctga	gtcagacagc	tctggcaagc	aaggctcctt	ggctagttcc	taatgcactg	660
acaggagccc	tcccatatag	gacgacttct	actcaaaatg	cgactctccc	tctgaacttc	720
agatgcctct	gttagcagga	aaaggcattg	attggattgg	atatatttat	gtgactgcgg	780
gcatttgtgg	ctgtagaatc	cgtgaccgta	atgttatatg	taatgggaac	tatcttataa	840
acttgaaaaa	aataaagttt	ttattttcta	waaaaaaaaa	aaaaaaaaact	cga	893

<210> 196
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (492)
 <223> n equals a,t,g, or c

<400> 196						
tcctcacctc	acatmtgggt	tcctccaggg	gccctgatac	agtgggtgat	gggtcctaag	60
ggggcctcca	ggaccaccca	gccctatgag	gaaagagttc	ttcctgatcc	tacccttga	120
cttccttttc	tttctcctgc	aggtctcaga	acggccccga	agcctcccc	tatccctga	180
attggagagc	tctccttgat	gccctctgtt	agggcccacc	ccaatcccag	ggcagaagga	240
catgagggag	caaagagctt	gaggaatgcc	atactccggc	tggtccggga	catggaaatt	300
cggactcagg	gaggaccagg	gctgggcaat	gactgggaga	cttgccctggg	ttcccaggac	360
ttgggggtcc	tgactcccag	ccctcatcct	gccttaccac	tctgttccca	gccccagcct	420
ttctaagcca	ttgggraatg	aatggcccc	tttggttaaaa	aaaaaaaaaa	aaggctcggg	480
ggggggcccc	anacccaatt	cgaagttgcg	agtgggctc			519

<210> 197
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 197						
ggaattcggc	acgagctgag	cttgtgttta	aagccgttgg	ccttgctccc	ccagctttgt	60

cagctcaggt	ctgtctacac	ccagatggta	gcgcttgtga	cactggcctg	gcagtcctgc	120
tcacagtgtt	ctgtgcctgt	gtgtctccac	cctttcctcc	tgctgctgca	gaaacccggc	180
catccttcca	caccagatc	tcttgtcctg	tcctcacccc	accctgccac	catcagccct	240
gcctggagcc	acctgccctt	tggcaacaaa	accaaaccct	tttgtgggcg	ttcaagatgg	300
tattgtgccc	accagtcaga	tcctgtgttt	tgagtcccaa	aggccatgcc	aaggattggc	360
tttgggaggc	tttaatcacc	aacccatcaa	catcaagcct	ccccaggcc	ggttcaaata	420
aatgtattta	aataaaaaaa	aaaaaaaaaa	aaa			453

<210> 198
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 198						
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gtggacagca	gggataagg	gcacgaagga	cggggactcg	gccccttcag	aattcctcag	120
gactctcagg	tgcagctttg	ccaaaaagga	acttttcatg	tcatgcagtt	gaggggaact	180
agtctcaatc	ccaggctcct	cttgactctg	ggcagcctct	gtcttgggag	ctcagcccca	240
gggttcggtc	gtcagcagtt	tcccaagaac	aagatgtgat	ggcatctgct	gctgaaaccc	300
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gaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa	415

<210> 199
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 199						
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aagcattttg	ctcatattac	cctgtaaggt	caataattat	tatccccatt	ttgctgtaga	180
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 202
 <211> 1259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (18)
 <223> n equals a,t,g, or c

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 <211> 2101
 <212> DNA
 <213> Homo sapiens

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	agagctcctc	cagcctggag	acgttcttgg	tgaaagctgt	ggcttaactc	caccggctct	240
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	accctggggc	tgggtgcttct	ctactactgc	ttctccatcg	gcatcacctt	ctacaacaag	420
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a							2101

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<211> 725
<212> DNA
<213> Homo sapiens

<400> 204
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<210> 205
<211> 926
<212> DNA
<213> Homo sapiens

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aagtaaagaa aaaaaaaaaa aaaaaa 926

<210> 206
<211> 1248
<212> DNA
<213> Homo sapiens

<400> 206
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<210> 207
 <211> 824
 <212> DNA
 <213> Homo sapiens

<400> 207						
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<400> 208						
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 210						
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630

<210> 211
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (1402)
<223> n equals a,t,g, or c

<220>
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<222> (1403)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1407)
<223> n equals a,t,g, or c

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tccaaatcat tggatttcgt gattccctta attatgatcc tttgtgttgt agatatttca 240
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tcgagaaagg aaaaaaaaaa nnnanana 1408

<210> 212
<211> 785
<212> DNA

<213> Homo sapiens

<400> 212

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<210> 213

<211> 1767

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> n equals a,t,g, or c

<400> 213

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cgcacacatg	ccccagctgc	aaagctacat	ctacacgtac	aagcgccctgt	gctaacggag	480
ctgggactcg	ggactcccc	gcctgtcagt	ctggccccc	gtgctttgct	ccctgygctc	540
agtggctact	ttcccgtccc	cacttggggc	tgggagccgt	gccaccatcc	cctagaagtc	600
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<210> 214

<211> 781
 <212> DNA
 <213> Homo sapiens

<400> 214
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 ctaaatgggc agatgactca agggcaggag ttcaagacca gcctggccaa catgttgaaa 600
 ccctgtctct actaaacata caaaaattag ctgggcctgg tggcgcatgc ccataatccc 660
 agctactcag gaggctgagg caggagaatc acttgaacct gagagggtga ggttgagtga 720
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 a 781

<210> 215
 <211> 2115
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1351)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1861)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2091)
 <223> n equals a,t,g, or c

<400> 215
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<210> 216
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<400> 216						
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aactcgta						1148

<210> 217
 <211> 1131
 <212> DNA
 <213> Homo sapiens

<400> 217						
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gtaattatca	ttgattgatg	atacctatca	aaaggcaacc	ctaaccaacc	atttctggct	360

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<220>
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 <222> (18)
 <223> n equals a,t,g, or c

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 <222> (19)
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<220>
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 <222> (26)
 <223> n equals a,t,g, or c

<220>
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 <222> (52)
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cgag						2884

<210> 221
 <211> 1014
 <212> DNA
 <213> Homo sapiens

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tactgtgtca	tggtatgtac	tggtagtaac	ggtagaagcg	tagaatctat	acacacacac	660
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa	1014

<210> 222
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 222						
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aaaaaaaaaa	aaaaaaaaaa	aaa				743

<210> 223
 <211> 1118
 <212> DNA
 <213> Homo sapiens

<400> 223						
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<210> 224
 <211> 1485
 <212> DNA
 <213> Homo sapiens

<400> 224						
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<210> 225
<211> 1249
<212> DNA
<213> Homo sapiens

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<210> 226
<211> 2082
<212> DNA
<213> Homo sapiens

<400> 226
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gcctcttcct agagtaccta ggatcattga aaagaaaagg gataaaaaag cccctgcatt 180
tgtagctgct acatagcata caaacctagg ctctcttgag ggaaaagggc cagctctggc 240
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<210> 227
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2294

<210> 228

<211> 1255

<212> DNA

<213> Homo sapiens

<400> 228

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aagcatagaa	atccctggga	attgcgagaa	taactcccac	tatttttaaaa	tttatattca	360
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<210> 229

<211> 895

<212> DNA

<213> Homo sapiens

<400> 229

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cttgggtccc	gggcagctag	ctataaagca	agagggacag	gagcccagaa	gagacactga	780
ggacaagaga	tcacaccaga	gtacatgtct	ctgcctctgt	tttcagtgtg	gctttggaca	840
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<210> 230

<211> 1208

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1164)

<223> n equals a,t,g, or c

<220>
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 <222> (1166)
 <223> n equals a,t,g, or c

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 tgggtgatgg tctacatgag atatgtcaag tgtttgtcaa tggatttggt ccatagtaaa 180
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<210> 231
 <211> 1165
 <212> DNA
 <213> Homo sapiens

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 gaaaacctct tagaaaatgc ytgggrcaca ttaaaaactc agtaactgtt agctactatt 420
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<210> 232
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 <212> DNA
 <213> Homo sapiens

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<210> 234
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 <212> DNA
 <213> Homo sapiens

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<400> 234
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<210> 235
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 <212> DNA
 <213> Homo sapiens

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 <222> (766)
 <223> n equals a,t,g, or c

<220>
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 <222> (767)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (773)
 <223> n equals a,t,g, or c

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aagtagtagg ttataaaaaat aggaccttca ccaaccatca tttgatatca agtatatcaa 180
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aagcgtacat tgcagctggg catggtagct catgcctgta attccagcac tttgggaggg 660

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cagggcggga ggatagctta aggaaaggag ttcaacacca gccttgacaca acatagcaag 720
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<210> 236
 <211> 972
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

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 caaaaagttc gagaaaatct agatagacgc taacaggaat tggaaaataa caccctgggt 180
 accaaaacat gtttaactgg aatctatggc taactactct aatcactgga ttggcggggac 240
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 aatttataaa gcagttcata gcttctgtca aacttacgta tcttaaaacc caatataact 360
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<210> 237
 <211> 1885
 <212> DNA
 <213> Homo sapiens

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 agcttatctk gtttacttkg ttaataatc tkgagtcatt tttctaaaca ttcttkgcat 1140
 aacrgcaarg attaaaarga taagtaatgt aatatattag scctagttg tcattcacct 1200
 gttctttag agctgatact tttttcttga tcaaatttta ggtttaataca tatttagctt 1260
 agaagagtgg tctgtcttaa ragtatwctg attatttagg aacatctrga tgaaacttct 1320
 ttgccttagt ccatcgtttc ycctttaaat tcctaaaggc aggaatgagt gtttctttaa 1380

accaacatgt	ataaagcaac	wttttaggca	aactgggatg	aggaaaaaca	tcttgaaggg	1440
ggcttcataa	tgggtgttga	gcctgtttaa	aatgtggaat	ggaaagccga	tcataaaaac	1500
agatagtact	gactttttggc	aaaatgagtc	tttatgaaaa	cataccttaa	tgatttatctg	1560
acaaatgcaa	gtgcttttttg	aggttaacag	aattataaac	aggagactgc	agacactaag	1620
gtcactactg	agcagcacga	taattcgtgt	gggtgtgttct	ttttaaagat	taacaatctt	1680
aagtcttttg	tatgttatgt	tgctaagtta	tttgggggaa	agtgttaaaa	taagtgtctt	1740
tactttcttt	ctccactgct	tttgacaaaa	aactttactg	ttcaaagaat	attgtccatt	1800
cagtttactt	tttattttta	agatgaagta	tcccccaaac	tgggtcatgcc	aggaaaaaaa	1860
aaaaaaaaaa	aaaaaaaaac	tcgag				1885

<210> 238
 <211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 238						
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gtaggctgtt	gctgagttgt	agactgggtg	ttttatgaaa	aaaaaacagg	ttggggaggt	120
gtgaagatgg	aaatgagggc	tgtgttatgt	atatctggta	tctacttctg	ttccagggtgc	180
ttaattcacc	ctcactactga	tgtttaaagt	tagaggattc	ttgtccattt	gtcttgtctt	240
ctgttggcag	gtcacatgca	ggtaataggc	tatgggaagg	ggaagatgcc	tagattactt	300
ctaggctggt	ctccaagccc	caagttcaag	cctcctgagt	agctgagact	acaggcacac	360
accatcgttc	tcaacttttc	ttttttaaca	taggctagct	agctcccacc	ttagccttct	420
agacctcca	ttataattct	tattcaattg	ccttggcctc	ccaaagtgt	ggaattacag	480
gtgtgagcca	ctgcaccag	ctattttttc	tatattttta	tgtagtcat	tgagggtaat	540
aattttatcc	tacaacaaac	atgtaagtta	ttgaagaata	ttggagtttt	atgataatgc	600
tgtcataaat	ataaaaggta	gggtaagagg	gatccaaata	gagctcactt	atattgtcac	660
tgataggcag	tcacgctgtg	ctgatagaat	gtggcctgac	acttgatgga	gtgcagcata	720
tgtatacttg	ggcaatttga	gcagatatat	acgggtcccga	gtttaaagaa	gagaacaaac	780
accagtgcac	agctatagta	ttcctaatat	aggatgcatt	ttaaagaatt	tcacattcta	840
caaattggaga	gagatggcag	gagaagcctt	attttaagtc	ctgcactaag	gcagggttaac	900
ctcatgggtg	taattacctg	gacctttttg	taaggacaaa	atattttaatc	attaaaaggc	960
cctctgtagg	gtttgaaata	tctatatatt	atatatgaat	gcttctttta	ttaatattta	1020
tggtgaagata	ttttatactg	ctgataaacg	gacattaatg	atatatagcc	tattgtttga	1080
aaaaagcatt	ttggattata	gccccaaaact	ggaaataacc	aacagataaa	taaatgggtg	1140
tatattcata	caataaaata	ctactcagat	aaaaaagatg	aacttaatct	cataaacatt	1200
atgggcaaca	tagtgagaac	ccatctcttt	taaaaaaaaa	aaaaaaaaaa	a	1251

<210> 239
 <211> 1252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (243)
 <223> n equals a,t,g, or c

<400> 239						
gagaagaagt	actactccaa	aaacttttgt	aaagtgttta	ttcttcctta	gcagtaggct	60
gttgctgagt	tgtagactgg	tgggttttatg	aaaaaaaaac	aggttgggga	ggtgtgaaga	120
tggaatagag	ggctgtgtta	tgtatatctg	gtatctactt	ctgttccagg	tgcttaattc	180
accctcatat	tgatgtttaa	agttagagga	ttcttgtcca	tttgtcttgt	cttctgtttg	240
canggtcaca	tgcaggtaat	aggctatggg	aaggggaaga	tgcctagatt	acttctaggg	300
tggctcctcaa	gccccaaagt	caagcctcct	gagtagctga	gactacaggc	acacaccatc	360
gttctcaact	tttctttttt	aacataggct	agctagctcc	caccttagcc	ttctagaccc	420
ctccattata	attcttattc	aattgccttg	gcctcccaaa	gtgctggaat	tacagggtgtg	480
agccactgca	cccagctatt	ttttctatat	ttttatgtag	ttcattgagg	gtaataattt	540
tatcctacaa	caaacatgta	agttattgaa	gaatattgga	gttttatgat	aatgctgtca	600
taaatataaa	aggtagggta	agagggatcc	aaatagagct	cacttatatt	gtcactgata	660
ggcagtcacg	ctgtgctgat	agaatgtggc	ctgacacttg	atggagtgca	gcatatgtat	720

acttggggcaa	tttgagcaga	tatatacggt	cccgagttaa	aagaagagaa	caaacaccag	780
tgcacagcta	tagtattcct	aatataggat	gcatttttaa	gaatttcaca	ttctacaaat	840
ggagagagat	ggcaggagaa	gccttatttt	aagtcctgca	ctaaggcagg	ttaacctcat	900
gggtgtaatt	acctggacct	ttttgtaagg	acaaaatatt	taatcattaa	aaggccctct	960
gtagggtttg	aaatatctat	attttatata	tgaatgcttc	ttttattaat	atztatggta	1020
agatatttta	tactgctgat	aaacggacat	taatgatata	tagcctattg	tttgaaaaaa	1080
gcatttttga	ttatagccca	aaactggaaa	taaccaacag	ataaataaat	ggtggtatat	1140
tcatacaata	aaatactact	cagataaaaa	agatgaactt	aatctcataa	acattatggg	1200
caacatagtg	agaacccatc	tcttttaaaa	aaaaaaaaaa	aaaaaactcg	aa	1252

<210> 240
 <211> 1256
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<400> 240						
acgtttcctg	tcctgtgggg	tntccngcat	gtgncaggat	ttccttccca	catccatgat	60
agatgtgtgt	caaggggcct	aattccggag	atccactgca	gaggagcaac	atctaaagtc	120
ctttcacctg	agacacagga	cattatgaat	cctccttggt	gtcttggcag	atggtgctag	180
tggcataaac	aaaaccaa	ggcctacagc	tatacttaca	atgagaatta	wcatattty	240
attcggtagc	tgggactatg	atgggcaagc	atgccactca	agcaagtgca	tgccctctta	300
atacagccct	cctcagtctt	ggattcacaa	tcttttacat	ggatttctaa	gttttcataa	360
aggttctttt	gtcagggcat	aactgctgta	ttttcataac	tagaagttgt	gggtagagaa	420
cctcctattc	tgccatcttg	ctatgtcact	ccccttgat	gtttcacttt	ctgatatggt	480
ctatgccaaa	ttatctgatt	tcaaattcaa	aattttctgaa	ataaaatgcc	caagtttaca	540
cattgtgtaa	taagtacatg	tattgacatg	gctcattttc	attagagcat	ttattaatat	600
tgagatgcat	tttcttttac	tgctttacat	ttcatgccaa	agattcaaaa	tcctggctct	660
tcaataagaa	catagtcaca	gttaaaaaact	gtagttatatt	aaaggattgt	ttttatggta	720
catctgtata	tatttaatat	tttggtgggt	agaattttat	tgtattcaac	tccattttac	780
tgggcaatct	tttttcatgt	agatactcct	tgattattta	atttttttca	cttctaattct	840
tcataatttg	taattttcaa	atctatacct	ttaatgatca	agtgggtggt	aattcaaata	900
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tgccataaaa	agttagggtg	tatttgcctg	tataaatagt	gcccctcctt	tgattataaa	1020
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gtgtaaagtt	accatctggt	tattgtctta	ttacatatta	ttctgtgaga	caaacacttt	1140
tgcaatttgc	aggtaatttc	tgaggaatgt	aaccttttta	agtaggtgta	aataatagtt	1200
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<210> 241
 <211> 2858
 <212> DNA
 <213> Homo sapiens

<400> 241						
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acccacgct	cagctccgac	tgggacggcg	agcgacgcg	ccgcagtgtc	tactccggat	120

caagcgggat	atcatgtcca	tttataagga	gcctcctcca	ggaatgttcg	ttgtacctga	180
tactgttgac	atgactaaga	ttcatgcatt	gatcacaggc	ccattttgaca	ctccttatga	240
aggggggtttc	ttcctgttcg	tgtttcgggtg	tccgcccgcac	tatcccatcc	accacacctcg	300
ggtcaaactg	atgacaacgg	gcaataaacac	agtgagggttt	aaccccaact	tctaccgcaa	360
tgggaaagtc	tgcttgagta	ttctaggtac	atggactgga	cctgcctgga	gcccagccca	420
gagcatctcc	tcagtgtctca	tctctatcca	gtccctgatg	actgagaacc	cctatcacaa	480
tgagcccggc	tttgaacagg	agagacatcc	aggagacagc	aaaaactata	atgaatgtat	540
cgggcacgag	accatcagag	ttgcagtctg	tgacatgatg	gaaggaaaagt	gtccctgtcc	600
tgaaccctta	cgaggggtga	tggagaagtc	ctttctggag	tattacgact	tctaygaggt	660
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ttcgttcatc	cattcatccc	gtatcagggg	ccaaggtacc	tttacaggag	cacctagagc	1140
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gataagtggg	agatggaaat	tgcaattcca	agagggagtg	tgcccaaagt	atztatgggg	1260
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ctttacctag	cacctgagca	cctttctccc	ctccctctt	tcctcaccct	tttctagatg	1560
taagacagaa	rgtaaagtgt	actgggactt	aaccaaggtc	ttggtaaagc	ctgcatggca	1620
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tgctagtcc	tgttgtat	tgttgggctg	tccttgtgta	ttttcacc	agcctgtagt	1860
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cgtacttcca	gatttattgt	tatggctccc	agtgggtatt	ggcgattctt	gtgatgcagg	2220
gcctcagtc	gtgtccagcc	atgcataagg	gagaggatag	tgtgtacctg	ccctgccctc	2280
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actccagggc	ttagaagaat	gctcttgggt	gtgttgtctg	tgccataggg	cagagcatgt	2580
aagtgttccc	actttcaagt	gacaatctct	tccttggccc	tgccataggg	cagagcatgt	2640
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gtcaaagaga	tgtctttata	tctgactgta	tataaatgaa	gtttttttgt	tttttttgtt	2760
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aaaaaaaaa	aaaagggcgg	ccgctcgcga	tctagaac			2858

<210> 242
 <211> 1363
 <212> DNA
 <213> Homo sapiens

<400> 242						
ctgcaggatt	cgggcacgag	gtcaagtgag	ggcagcagca	ggtgaggtga	gggatggagg	60
tgaggccaga	tcacctgggtg	gtttaaaagc	cgagtgagg	tgtttagacc	taattttaaa	120
aacaatgaaa	agcacttgat	ttagtttag	catccatag	tggcttgat	tagtcaatt	180
agactcctgc	cttttcgcaa	ggacagcagt	ctctctgtat	cccatacaca	agagaatgat	240
gtgttttctc	tttttaaatg	agatctgttt	agctagtgtg	atggagaatg	aattctgctg	300
gtcaattgtg	gaaacagaga	cttagttaag	tagaccttcc	tgagcttacc	ccttgagcc	360
ttccctgaga	tggcaaacag	gagggctgca	ccaatcctat	actgtcagca	aaggctctgga	420
tcgcttttgca	aggattagaa	agcctgcaca	tgtggggcct	cagaccatct	gtcccatgt	480

ctacagaaaa	gttccaactg	ctgaatgggt	ttgaaatgca	tggttatttc	ctgggcccaa	540
tccagtcctt	cataatttgg	ccaaaccttt	atgcagaggg	ctatgaggca	tttttcctcc	600
agattctgag	gggtcaaagca	gtcccaatgg	ttcaagatac	actgcagagt	agtataagct	660
ggggggcagtw	aagagaactg	gttggtccatt	ttgaaagaca	gggaatagag	gcatccctca	720
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tgagccttgg	tgaccttggc	aggtactggc	cataggtaac	aatacccacg	aagcagggaa	840
aacctggaga	ataggaatta	accaccctca	gctgtgcctc	ccttttctccc	tgctgccagc	900
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cccctcagac	ctgggtctgtc	tttctagggc	ctcagcctaa	agcttggaat	tgagtttgga	1080
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gctgggtggg	gggtgggggag	gcctctcact	tagaaaaara	aaaaaaraaa	acagtttaag	1260
gggcaaaaag	ggggaagttc	tgggggaaga	accccttggt	agtgcactg	ggcattttcca	1320
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<210> 243
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (512)
<223> n equals a,t,g, or c

<400> 243	gtgaggatcc	tttttttctag	tgtgtactga	aaacagctct	tttaggaatt	tttcatttcc	60
	attgggtttt	gtcttgtgat	atatgtcttt	tcatgagggg	taaattttat	ttgcactcac	120
	tgtttatgga	gtatcgagta	aaaactagaa	caaagcagaa	cgaaccttcc	tatacaatgc	180
	cttcccacaa	aaacaaatac	ctccctcaaa	aaattttctgc	tctgaacatg	aaaatgctta	240
	tctgcagctt	gacattatta	gtatgtctga	gtcctagggt	aggtaggaga	tccagggtatt	300
	atcattcaaa	aggaactgaa	agtgtgagca	ctctttgaaa	aagcactatt	agcaatgtaa	360
	atgccaaagt	acatctgata	ggcaaaactct	taagcctggt	tgtgtgatat	ttaagggtgag	420
	aaaatagttt	tgccatttct	ttatgacttt	gaatagcctt	aggactattt	catctgttta	480
	ttactctgyc	ttcatactag	atttcntttt	tntcyttttt	gacacggagt	ttcgtctcctg	540
	tcacccaggg	tggagtgcag	tggcgtgac	acagcttact	gtaacctcca	cctcccagga	600
	gaattgcttt	aacctgggag	gtggaggttg	cagccagccg	agattgcacc	actgcacatg	660
	agcccaggcg	acagtgcaag	actcagtctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaact	720
	cgag						724

<210> 244
<211> 1099
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1060)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1062)
 <223> n equals a,t,g, or c

<400> 244
 aagttctgga taaataacttg atttgatgtg atagtgtgta ttactctatc agaaatgcag 60
 agcgttggtat gattttttctg tgtacacgcg ataagagcaa tattagttgc ,aaaaggaagt 120
 tttcatcttt gaacattaaa ggtatccttt attgttgatc actatagcat gcaaaaaaga 180
 aactatattt tctgtcctgt tctttgtatt actgttaaag agttggtaaa ctgccgtctt 240
 gctgtgagac tgggaagtcg gcaatgaagt tagatttcta ttcatagaaca tgatctgcct 300
 gtcatatagg cttgctttga cttgtttttt ttttcagtag tggcaaaggg ttttctgcca 360
 ctcaatccac actttcctcc gcattggtat ctccgttgac cattttgcaa aatagtttat 420
 tgagattagg ggtctgatct tttgtataac ctggtgtagt gaactgatca tatgcgactt 480
 gactttggcc aatagtacct cgctcagtgt cagtactact atttagmctt actgatttgg 540
 gtaatatgaaa agctatgatg ttagaaatgt tgtcgttgta tattggagaa attttgaagt 600
 tgcatattgg agtaatttag tctgtatgc tttgtaaatg agtgcatctt attgtcgaga 660
 gtaaatcacag tattttgtag tataaactta agcttttagc tgaagaaatt ggcagcatag 720
 ttggagtgtg gagactawtc ttaaaacgca aatgttttaa attacaagga actgtagtgg 780
 tgtgtaggct gtaacaattc ctgggtgcaa atttgggaga ttatttgggt gagctacttt 840
 ctataaagaa acatattaag tatctgcaat aaaagtggat ttgtagctat acacaagggn 900
 ttttacatta taaataataa ctcaataagg cacctttctt tgctctttgt gtatctgcca 960
 gttaagacca aaacatctca tatttttact ggagcttctt gccaaaacaa atactggttt 1020
 tgcattggct ttgctgctca gtttgaaagc taggggaatn tnttagagcc tactctgggt 1080
 ctggaggctg cctgattaa 1099

<210> 245
 <211> 1703
 <212> DNA
 <213> Homo sapiens

<400> 245
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 tgggagggct cttgatctgt gatttataga taggcacagc tactcccgtt cggaaccaca 180
 acggcagaca ggtcctagt cccatcagat acccgcgggc gggactcgga gctgtggggt 240
 gtggggagggc ggaggcacca actaagagcg acctagcatc gcaaagccgc cctcggggcg 300
 ctcatggcgg gacgctcctg ggaaaggctt tagccgcggt gtctctctct ctggccttgg 360
 cctctgtgac tatcagggtcc tcgcgctgcc gcggcatcca ggcgttcaga aactcgtttt 420
 catcttcttg gtttcatctt aataccaacg tcatgtctgg ttctaattgt tccaaagaaa 480
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 ttctaataga gaaagtgggc tggcttggtg agtggcaaga ctataagcct gtggaatata 600
 ctgcagtctc tgtcttggct ggacccaggt gggcagatcc tcagatcagt gaaagtaatt 660
 tttctcccaa gtttaacgaa aaggatgggc atgttgagag aaagagcaag aatggcctgt 720
 atgagattga aaatggaaga ccgagaaatc ctgcaggacg gactggactg gtgggcccgg 780
 ggcttttggg gcgatggggc ccaaatacag ctgcagatcc cattataacc agatggaaaa 840
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147

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 <212> DNA
 <213> Homo sapiens

<400> 248

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 <212> DNA
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<211> 5279

<212> DNA

<213> Homo sapiens

<220>

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<222> (1371)

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<213> Homo sapiens

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<220>
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<222> (490)
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 <212> DNA
 <213> Homo sapiens

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ttgctttccaa	ttatgtattt	tgtcttgggc	tgcaatttgt	tttatgctta	ttttattatt	3960
actgcagtag	ttgaccttgc	tgtatggaaa	aataaagtga	aattgcccta	ataaaacttc	4020
tctttcttaa	gtaaaaaaag	ggaa				4044

<210> 259
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 259						
gtgagaaaag	cagtttgggt	gacaaatcct	gtgtggcaca	agttggatcg	cttcctagaa	60
ataagcaaca	cctctcccaa	aaagcagccc	acaaggcagg	ggcccagcag	cccagccatc	120
actcatcttt	gaggaaatga	gttggttagcc	tctgtgcact	gtttggtggc	cacatcacag	180
gtgatgtcct	gttcacatac	ctgcttgtat	ttaaagccct	cagtcctgtcc	tggtgtgtgg	240
ggcgaagtga	tggaactctgc	cagggtggaca	tgctgtgggt	ggatgttccc	ggcgtgtgcc	300
gggctgaat	ggacaggggc	cacttcacag	catgtcaggg	aaaatcactg	tcacacaatt	360
ccaatggatt	ttgtgctctt	tttgaaaaaa	aaaaaattct	ttagcgtaaa	catgaatttt	420
ttttcaatgt	agcccctggg	gaatgaatga	aattttgagc	ttcttcaata	cgtaaaatta	480
aattttatacc	actgagggag	agaccctttc	tgaaagaagt	atggccaaaa	gcactttaat	540
gctgctgaca	ttgttgtttt	tatgttcatt	tgtgtggagc	caagacgtgc	tgacacagt	600
agttttctct	gatgtattta	aggtgatgta	tttgcttgag	ttactcctgt	atcattgctc	660
ataatattgg	aaactaaaat	aaaacctagt	tggaaaaaaa	aaaaaaaaaa	a	711

<210> 260
 <211> 1113
 <212> DNA
 <213> Homo sapiens

0950083 091201

<220>
 <221> SITE
 <222> (119)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (121)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1098)
 <223> n equals a,t,g, or c

<400> 260
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 gcaggagagt tctgggggtac acggggcaaag gggcttgaga agggcccgag gcgaagcgna 120
 ngagaagcaa ctgtgccccg gagaagagaa gctcgcccat tccagactgg gaaccagctt 180
 tcagtgaaga tggcagggcc agaactgttg ctcgactcca acatccgcct ctgggtgggc 240
 ctacccatcg ttatcatcac tttcttcgta ggcattgatcc gccactacgt gtccatcctg 300
 ctgcagagcg acaagaagct caccagaggaa caagtatctg acagtcaagt cctaattcga 360
 agcagagtcc tcaggggaaaa tggaaaatac attcccaaac agtctttctt gacacgaaaa 420
 tattatttca acaaccaga ggatggattt ttcaaaaaaa ctaaacggaa ggtagtgcca 480
 ccttctccta tgactgatcc tactatgttg acagacatga tgaaaggga tgtaacaaat 540
 gtcctcccta tgattcttat tgggtggatgg atcaacatga cattctcagg ctttgtcaca 600
 accaaggtcc catttccact gaccctccgt tttaagccta tgttacagca aggaatcgag 660
 ctactcacat tagatgcac ctgggtgagt tctgcatcct ggtacttcct caatgtattt 720
 gggcttcgga gcatttactc tctgattctg ggccaagata atgccgctga ccaatcacga 780
 atgatgcagg agcagatgac gggagcagcc atggccatgc ccgcagacac aaacaaagct 840
 ttcaagacag agtgggaagc tttggagctg acggatcacc agtgggcact agatgatgtc 900
 gaagaagagc tcatggccaa agacctccac ttcgaaggca tgttcaaaaa ggaattacag 960
 acctctattt tttgaagacc gagcagggat tagctgtgtc aggaacttgg agttgcactt 1020
 aaccttgtaa ctttgtttgg agctggcacc tcttgaaata aaaaggagga tgcacgagca 1080
 aaaaaaaaaa aaaaaaacncg aggggggggcc cgg 1113

<210> 261
 <211> 982
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (970)
 <223> n equals a,t,g, or c

<400> 261
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 attktactct atgtatgat ctaatcaatg aacactttat ttattttaca gagaaaactt 120
 atctgtgaac tttactatat atctgtttat tttactttat ttttttttta aataaaaagg 180
 gtttttaattg ctatcgagtc attagtagaa aatttttttag gactctgcct gctctgtaac 240
 tatcttaata tgatctggca gaaactcgca tgtatccaag taaagtagtt tagctaaaga 300
 aaggttcttc attgcttttc tgttcacagt tgtggctctg ttttttaaga atgtaacttg 360
 tttttagatt atacttgcat ctgtgacttt actaccagcc acgttgacac aaaacagggtt 420
 ctgggttcagg taaagttgag tcagtcacct gcagcagaaa tccctcttca ttcctcttct 480
 ctgtgttcat tccctcttctg tgctgttctg aagcttctac caatactctt tccatattgt 540
 ctttttcagt gaagagaaat gcattcaaga ttaggtccct cctgtctatc cagtttcagg 600
 attttatggt gttttataca cagttatttc agtatagaaa ctggctttat tgccaagtgt 660
 ttttttaaac atgttttaac tctcatatga gcaaactgtc caacttcagt ttttcataag 720
 attaaacttc ttacgatcaa atttgtctct tgcaatgatg tgatgagttg ccaaataatt 780

gagattat	ttt	taaaaatg	ttt	tgttcatatt	cttgttttat	aattaaaatt	tacattcagt	840
gtgtatgg	gt	tttttttt	ttt	attttgactc	ttaatgtaag	gtggatattt	ctgtcatttt	900
acatgg	tttc	ttactgagat	ttt	tatatata	aattataaaa	tgtttaccaa	aaaaaaaaaa	960
aaaaaaaa	aan	aaaaaaaaaa	aa					982

<210> 262
 <211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (445)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (655)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (690)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (699)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (733)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (746)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (771)
 <223> n equals a,t,g, or c

<400> 262								
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gtcgtccacg	aacgagtacc	tcctaaggag	gtgcagcctc	cactaccgga	cacatttttt			120
gaccatttta	accgggtgca	gtgggccttt	tctattttgtg	aaattaatgg	catgacccct			180
gtaggactct	ggttaattca	gtggctgctc	ttaaaatata	agtaagtcaa	gtaaaaaaaa			240
aaaaaaaaaa	ctcgaggggg	ggccccggtac	ccawttcgcc	ctatagttag	tcgtattaca			300
attcactggc	cgtcgtttta	caacgtcggtg	actgggaaaa	ccctggcggtt	acccaactta			360
atcgcccttg	agcacatccc	cctttcgcca	gctggcgtaa	tagcgaagag	gccccgaccg			420
atcgcccttc	ccaacagttg	cgcancgtga	tggcgaatgg	caaattgtaa	gcgttaatat			480
tttggttaaaa	ttcgcggttaa	atttttggtta	aatcagctca	ttttttaacc	aataggccga			540
aatcggcaaa	atcccttata	aatcaaaaaga	atagaccgag	atagggttga	gtgttggtcc			600
agtttggaac	aagagtccac	tattaaagaa	cgtggactcc	aacgtcaaag	ggcgnaaaac			660
cgtctatcag	ggcgatggcc	cactacgtgn	aaccatcanc	ctaatacaagt	tttttggggg			720
tcgaggtgcc	ggnaagccct	aaatcnggaa	cctaaagggg	agccccccga	nttttagag			778

<210> 263

<211> 1234
<212> DNA
<213> Homo sapiens

<400> 263
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aataattttt gcatttcaca caaaagccag gtaggaagta aagcataatg ggggcctctt 120
ggatgccagg tgtttaacac ctgatggcat ctaatcctca caaaaacctt cactggtgcc 180
accatgcccc gatgagacat gagagggtct gagaggctga ggaacctgcc cgttgtctca 240
ccacaaatgc tgacctcagc aactgtctcac cctggccccc cgccccagc ccccaaacc 300
agtcctttct acaacctgct ctctctccaa atagcagtag tcagaggctg tgctgaggcc 360
tcccagaaac ctttccccta tgtggatgta accttctcga gacctgcttt tggagttcaa 420
cctgtgctga aggggagag aaaaatccta tgtcatgagg ggcacttgag ataagcctca 480
taggaggaga gaagcttctc cctgtgtgga aggaggcagc acacaggcca cagagaggcg 540
cagaagggag aactgaggcc aagagaggcg gaaggtcccc agacgggttt tctaaaatat 600
ctttctctga atagcatttt tacttaaatt tgatatgcaa atgcagataa ttggtattca 660
tgtaaatatt tactgcttaa aacagaaaagt tacttgtaat aggccaggca cagtggctca 720
cgctgtaat cccagcactt tgggaggctg aggcaggcag atcacgaggc caaaagatcg 780
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agatcgacc actgcactcc agcctgggtga cagagcaaga ctccatctcg aaaaaagaga 960
aagttactta taatagaaa cctgttcaaa tgtggcaagt gcaacgtatt cttttggagg 1020
ctctaaaccc aagcctgcag gtccctgata cgtcttcttt gccatctagt ggtagccatt 1080
agaactgcat gtgtggggccc ggcgcctgtg ctacgcctg taattcccgc attttgaggg 1140
gccgaggtgg gtggatccct tgagcccagg agtttgagac agcctggaca acatggcaaa 1200
gcctgtcaaa aaataaaaaa aaaaaaaaaa aaaa 1234

<210> 264
<211> 876
<212> DNA
<213> Homo sapiens

<400> 264
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tctacgccta caccatgttc ttctccacgt tctaccacgc ctgcgaccag cccggggagg 120
cgggtgctgtg catctcagc tacgacacgc tgcagtactg cgacttcttg ggctccgggg 180
cggccatctg ggtcaccatc ctgtgcatgg cacggctcaa gacagtcctg aaatacgtgc 240
tgtttcttct gggtagactg gtcacgcca tgctcttgca gctggaccgc aggggcatgt 300
ggaacatgct ggggcccctgc ctctttgcct tcgtgatcat ggcctccatg tgggcttacc 360
gctgcggggc ccggcgccag tgctacccca cctcgtggca gcgctggggc ttctacctcc 420
tgcccggcgt ctctatggcc tctgtgggca tcgccatcta cacctccatg atgactagcg 480
acaactacta ctacaccac agcatctggc acatcctgct ggccgggagc gcagccttgc 540
tgctgccgcc acctgaccag cccgcccagc cctgggcccgt ctgcagaaa tccccctgcc 600
actatcagat ctgcaagaac gatcgggagg aactgtacgc agtgacgtga cactggcctg 660
gggacagctg ctgctctgat gactcttcag ccaggagctg tatcgagggg agcgccctgt 720
ccagccctgg acagattgat ttccagctga ataaattggc ctagataccc tcaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 876

<210> 265
<211> 822
<212> DNA
<213> Homo sapiens

<400> 265
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tgggtcaatg gaataataaa ttaagtacag gcaggaattt ggttgggagc atcttgtatg 120
atctccgtat gatgtgat ttagtgagat agtggctctc attcttgggg gttgccattc 180
ccacattccc cttcaacaa acagtgtaac aggtccttcc cagatttagg gtacttttat 240
tgatggatat gttttccttt tattcacata accctctgaa accctgtctt gtcctcctgt 300
tatttgcttc tgctgtacaa gatgtagcac cttttctcct ctttgaacat ggtctagtga 360

cacggttagca	ccagttgcag	gaaggagcca	gacttgttct	cagagcactg	tgttcacact	420
tttcagcaaa	aatagctatg	gttgtgacat	atgtattccc	ttcctctgat	ttgaaggcaa	480
aaatctacag	tgttttcttca	cttcttttct	gatctggggc	atgaaaaaag	caagattgaa	540
atgtgracta	tgagtctcct	gcatggcaac	aaaatgtgtg	tcaccatcag	gccaacaggc	600
cagcccttga	atggggattt	attactgttg	tatctatgtt	gcatgataaa	cattcatcac	660
cttcctcctg	tagtcctgcc	tcgtactccc	cttcccctat	gattgaaaag	taaacaaaac	720
cccatttcca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	780
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa		822

<210> 266
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 266	
ggcagcagct	gcacccagcc
tgtttacttg	attgaaattt
ataagctatc	aatcaaaatc
tgtgcaattt	gtacttaatt
acatatgctt	gtgaactttt
catgtggcac	attacaaatg
ttttatgtat	aaatgtacca
aactataaac	agtactctga
atatatagaa	gttgaaaaaa
	aaaaaaaaaa
	aaa
	60
	120
	180
	240
	300
	360
	420
	480
	513

<210> 267
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> n equals a,t,g, or c

<400> 267	
ggccccgcta	atTTTTgtat
tcttggaactc	ctgacttagg
ggtSATgagc	cacCATgccc
tgCctgtagc	ttttacatta
ttagtttttt	cttgtttgaa
ttAattgata	gttgTACgag
ttAaacaatt	ttgtaattaa
ttttttccacc	aaaatggTgt
actactgccg	tgTcattgga
acttcttcgt	ttagaaatgc
tgtagtccca	gcactttkgg
accagcctgg	ctaatatggc
gcgtggTggc	acacacctaa
accagggagg	cagaggTtgc
gcgacagagc	cagattctgt
	ctcaaaaaaa
	aaaaaaaaaa
	aactcgag
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	888

<210> 268
 <211> 1064
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (116)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (309)
 <223> n equals a,t,g, or c

<400> 268
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 atttgccttt ttaaaaagtg cttggcctaa acttattgta actgcatgaa ataagncatt 120
 tgcttaaaac ttaacattgt aaaattgttc tctctgaaat gagtgcagaa tttaaatcat 180
 ggccaaatgt attactatta ccctattttac agtaatttsc tttgcagaaa atattttctyc 240
 atcatggaac tgtgaaatca aattgaagat cttactggta aaaatgacaa attaacaata 300
 ggactaagna caagtgggtgc ccaaacaacc tttttattct gcagttccat catcataata 360
 gaccagttaa cccaggagtc ctaatgtttt aaaacatcat tgtgggtgatc ttgtttattc 420
 tatctcacta aggatatcca gtttcctaag ctcttactgg ctagcaattt cgtcttaatt 480
 ttattgctaa atgttcaaatt tttgcttcca aactcacttt atttttgcag atgtgtacat 540
 ctgctaarta ctaattttat gtaaatgatt ttgttgatta tttttccaca tcttaaaatg 600
 tttctaacag ctttgagatt ttatctcaac aggcctcttc tgaccccaaa gtagtactta 660
 ctttcgtgac tactgacaaa gtcacaaaat gcaggcgatg tcatgtattt cgggtacaact 720
 aaatctagga aacgggtttt tcattgcatt actgcatatt ttcattttca tttaaattat 780
 gtccctttt tctcttgctt gaaacagtgc tcctcgaaact ttgtcttcca gcacatttta 840
 aagagaacca attaaagaac aatcacacat tctgcttatt aaaggctatt taaaaagaaa 900
 cattttgtat tagaaaaatgg ccaactttaa aacactattt tttacactca taaaaatgtt 960
 ttttaaatcg ccttgacaat catcagcttt tgaaatgtga attcctattg ccagagtaaa 1020
 ggtctcgttt ttataccacc aaaaaaaaaa aaaaaaaact cgag 1064

<210> 269
 <211> 1282
 <212> DNA
 <213> Homo sapiens

<400> 269
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 aatgaaatac ttaactcggg gaagactatt ttatgcaaag tttttttttt tttttttttt 120
 ttttagcaatt tcagtgtaat gaaagaattt aagctttgaa tttataattt gctgtgggtg 180
 ggttaatttc tgtcagtatt tgagattgta ttatcagctc tgcataatga aatccttttt 240
 tggctaagta ttttaattcg acataatttgc ctttttataaa agtgcttggc ctaaacttat 300
 tgtaactgca tgaaataagc atttgcttaa aacttaacat tgtaaaattg ttctctctga 360
 aatgwtgca gaattttaat catggccaaa tgtattacta ttaccctatt tacagtaatt 420
 tgctttgcag aaaatatttc ttcacatcatg aactgtgaaa tcaaattgaa gatcttactg 480
 gtaaaaatga caaattaaca aaaggactaa gacaagtggg gcccaaacaa ccttttttatt 540
 tgcagttcc atcatcataa tagaccagtt aaccaggag tcctaattgt ttaaaacatc 600
 attgtggtga tcttgtttat tctatctcac taaggatata cagtttccta agctcttact 660
 ggctagcaat ttcgtcttaa ttttattgct aaatgttcaa attttgcttc caaactcact 720
 ttatttttgc agatgtgtac atctgctaar tactaatttt atgtaaatga ttttgttgat 780
 tatctttcca catcttaaaa tgtttctaac agctttgaga ttttatctca acaggctctc 840
 tctgaccca aagtagtact taccttcgtg actactgaca aagtcacaaa atgcaggcga 900
 tgtcatgtat ttcggtacaa ctaaatctag gaaacgggtt tttcattgca ttactgcata 960
 ttttcatttt cattttaaatt atgtccctt tttctcttgc ttgaaacagt gtcctcga 1020
 ctttgtcttc cagcacattt taaagagaac caattaaaga acaatcacac attctgctta 1080
 ttaaaggcta tttaaaaaga aacattttgt attagaaaat ggccaacttt aaaacactat 1140
 tttttacact cataaaaaatg ttttttaaat cgccttgaca atcatcagct tttgaaatgt 1200
 gaattcctat tgccagagta aaggtctcgt ttttatacca ccaaaaaaaaa aaamagaagt 1260
 aagagaaaaa aaaaaagtcg ac 1282

<210> 270
 <211> 1154
 <212> DNA
 <213> Homo sapiens

<400> 270

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ctttccaaac	tccttcacct	ccagccctta	gcagtggctg	actcatagga	aggtgcttga	180
gtgttctttc	ctgaattctg	gatctgcctt	ccccaaatgc	acaagcatca	gccatgcctt	240
ccacattcag	gaaggtttga	tcaagccagc	agggaggtgc	aggtgaaggt	gaacctcagg	300
cagagctagg	aagcctgaaa	atctcctcag	tcgtcctaac	gtggagctta	aaagagtggg	360
ttctatttca	aatcctaact	gtgccattca	atagctatat	ctttgggtct	gtagctaaac	420
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acagctcttt	tgtgtgttaa	atgagagaag	tcagaaagca	ctttgcacag	ggcttttctg	540
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cgtaccttaa	atatacacia	tatgtatttg	tatatattat	acctttctaa	aatattatac	780
cttgatacaa	ttatacctca	atacagctga	aaaaattaga	atTTTTTTTT	TTTTTTgaga	840
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ctccgcctcc	cgggttccag	cgattctcct	gcctcagctt	cctgagtagc	tgggactaca	960
ggcacacacc	accatgcctg	gctaattttt	gtatttttag	tagagctggg	gtttcattat	1020
gttggtcagg	ctggctctgga	actcctgacc	tcgtgattcg	cccgcctcgg	cctcccaagg	1080
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aaaaaaaaaa	aaaa					1154

<210> 271
 <211> 1810
 <212> DNA
 <213> Homo sapiens

<400> 271						
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agcattgcat	cccgcataag	gctgatgagt	cagtttagctg	gagagacagt	gccatcattc	180
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gattgccaca	tgggaataata	gtatggaacg	tgaaatttca	ggaataggag	gagattcttt	300
tattattttc	ctccttccac	tttgtacatt	tttttaatag	cctgcaacta	gttacattta	360
tctttttttt	tttttttaca	tttttatcca	taatacaagt	aacttgacta	aagccagtgt	420
ctgtttcatg	taaatatatt	aacagggtcca	aaatcaccaa	ctaaaattag	ctttatactg	480
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<210> 272
 <211> 1345

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1014)
<223> n equals a,t,g, or c

<400> 272
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<210> 273
<211> 1831
<212> DNA
<213> Homo sapiens

<400> 273
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<210> 274
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 274						
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aaaagataaa	gccaaaggatg	cctctgcccc	caggggaatgg	tgatgggggt	ctccagctgg	600
gggagggggt	cacatctggg	gagcagaatc	tttcttagag	gcttgagctg	gccttcagag	660
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aaattagctg	gggtgtgggtg	cgcgcacctg	taatctcagc	tgctcaggag	gctgaggcac	1020
gagaatcact	tgagaccagg	aggcagaggt	tgcatgtgagc	caagatcgtg	ccattgcact	1080
ccagcctggg	cgatagagtg	agaccctgcc	acattaaaaa	aaaaaaaaaa	aaactcgag	1139

<210> 275
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 275						
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ggaatgccac	aacctgattt	ctcctttctt	aggatgccac	aggtatagta	tactactgtt	240
ctattttatat	aaattattta	acattaagct	taaataaatt	ggttgaaaat	gtttagctag	300
aaaaaataaa	atggggccta	tttttcttaa	ctttatgagc	agcatagatt	tatgcttctt	360
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aaaaaaaaaa	aaaaaaaa					618

<210> 276
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<400> 276						
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<210> 277
 <211> 1233
 <212> DNA
 <213> Homo sapiens

<400> 277						
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<210> 278
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 278						
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aaaaaa						426

<210> 279
 <211> 3244
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (343)
 <223> n equals a,t,g, or c

<400> 279

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<210> 280
 <211> 894
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (824)
 <223> n equals a,t,g, or c

<220>
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 <222> (831)
 <223> n equals a,t,g, or c

<220>
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 <222> (852)
 <223> n equals a,t,g, or c

<220>
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 <222> (876)
 <223> n equals a,t,g, or c

<220>
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 <222> (890)
 <223> n equals a,t,g, or c

<220>
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 <222> (891)
 <223> n equals a,t,g, or c

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gccctaattt	cactctgcca	aaaaaaaaaa	aaaaawaact	cgantttttt	nttttcggta	840
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 <211> 1778

<212> DNA

<213> Homo sapiens

<400> 281

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<210> 282

<211> 2498

<212> DNA

<213> Homo sapiens

<400> 282

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 <211> 1371
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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<210> 286
 <211> 2345
 <212> DNA
 <213> Homo sapiens

<400> 286						
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<210> 287
<211> 1015
<212> DNA
<213> Homo sapiens
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<400>	287						
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<210> 288
<211> 1708
<212> DNA
<213> Homo sapiens
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<400> 288

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 <211> 540
 <212> DNA
 <213> Homo sapiens

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<210> 290
 <211> 1494
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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<210> 291

<211> 1504

<212> DNA

<213> Homo sapiens

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<220>

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<222> (1486)

<223> n equals a,t,g, or c

<220>

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<210> 292
<211> 1759
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

<400> 294

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 <212> DNA
 <213> Homo sapiens

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<210> 296

[illegible]

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<212> DNA
<213> Homo sapiens
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<223> n equals a,t,g, or c
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179

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 <212> DNA
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<213> Homo sapiens

<220>

<221> SITE

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2311)

<223> n equals a,t,g, or c

<400> 304

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<210> 305

<211> 2311

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2311)

<223> n equals a,t,g, or c

<400> 305

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gttttttcct	gcttcctttt	ccccatggag	tgtgggaagc	agtgcctcag	agcaaagtct	300
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aattcatatc	tttcaagtac	taacccctca	aaaaagccca	cacatacaaa	atatgtgatg	2160
tgataccact	ttgtctttta	gggtctttaag	taactgaagt	taagcacaga	aaaaaaaaatc	2220
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aaaaaaaaaa	aaaaaaaaaa	nctcgggggt	n			2311

<210> 306

<211> 1057

<212> DNA

<213> Homo sapiens

<400> 306

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ctttgaaaaa	ccaacatagc	atcattaatc	aggaatatta	cagtaatgag	gattttttct	300
gtcttttttt	aatacacata	tgcaaccaac	taaacagtta	taatcttggc	actgttaata	360
gaaagttggg	gatagtcytt	gctgtttg	gtgaaatgct	ttttgtccat	gtgccgtttt	420

aactgatatg	cttggttagaa	ctcagctaata	ggagctcaaaa	gtatgagata	cagaacttgg	480
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tgaatagtac	ttgcaaaaact	tgtaaattag	cagatgactt	ttttccattg	ttttctccag	600
agagaatgtg	ctatatTTTT	gtatatacaa	taatatttgc	aactgtgaaa	aacaagttgt	660
gccatactac	atggcacaga	cacaaaatat	tatactaata	tggtgtacat	tccgaagaat	720
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tttataaaaa	agaatatttta	ttttaagagg	catcttacia	attttgcccc	ttttatgagg	960
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<210> 307

<211> 1948

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1913)

<223> n equals a,t,g, or c

<400> 307

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tctgtgatgc	ctctatTTTg	agggaaacctg	ggttatgcct	gggcctgggt	tactcccata	240
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gttccttatt	ttgaatagcg	tgttcttaga	agttcatggg	ttctaattga	aggaaactag	360
agggacccct	tccatccttc	agcaagggtc	cccaaagata	ggcaggggtgc	ccagagaatg	420
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taatcccagc	tactcgggag	gctgaggcag	gagaatcact	ggaaccagg	aggcagagat	1860
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<210> 308

<211> 622

<212> DNA

<213> Homo sapiens

<220>
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 <222> (5)
 <223> n equals a,t,g, or c

<220>
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 <222> (18)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<400> 308
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 cgcgcgccctg caggtcgaca ctagtggatc caaagaattc ggcacgagct cgtgccgcgc 180
 ccgttcaacg tccggagcat cgggtgcagtt tcgagggtaa agcctttggc gcggtgatgt 240
 ggacttttgt tctctaacta caactcccag catacgtcac ccctcacgtg ggcgctaggt 300
 caccagtga aagttgtgca gagcccaaca tgagcttcat ttccaagctg ccacctatct 360
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 tgagcgctcg gtggaggagt ctgctggctt ggtgggtctc aagttgcccc atcagcctgg 480
 aggggaagggc tgggagccat gaacatggag aatatccttg gatgctgcat tcataggaga 540
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 aaaaaaaaaa aaaaaaaaaa aa 622

<210> 309
 <211> 1647
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (170)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (603)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (751)
<223> n equals a,t,g, or c

<400> 309

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ctgagagtct	aaacattata	agttatcaaa	caaaagattt	atatgctggt	cattccgttt	240
ctaaatcaaa	tggtaatact	tgaagaattt	ttgctttaat	ggaaggcagc	ttgtgtgaca	300
gtgcatctt	aaaagtgtgc	agatcccagt	ctcagtcaat	caatgtgggc	tgattgctgt	360
ggattgtaat	agacagtcac	atcatagcaa	tcttgcatag	aacgtttgct	gctgtttatt	420
gtcagcttta	gcttctgcta	ttttatttaa	ataatattat	cttattttctc	cctatctttt	480
tttctccctt	tttcttttct	tcatcttctcc	ctatcttttaa	cttaacctgt	cttctccctt	540
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tgngttcttt	taacttaatc	tcccacattt	taaaaatctt	agttctagag	ttaaatatat	660
tcagtgtctg	cagctgggtcc	ttttgtctctg	gtttatttgc	ctagtatttg	ctgggtgggt	720
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<210> 310
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (550)
<223> n equals a,t,g, or c

<400> 310

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cacatggctt	ttcttttcatt	ttgtctgctgc	gccttttgctt	tgtattattg	gagctcagcc	180
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ttcatactca	gtctcaaagg	aagagtctat	agtcactatc	tccacttctc	cacctgccat	360
ttagctttcc	accctctgca	gccagaattt	gaccctcaga	actccactga	aactactctg	420
tcaaaagcta	caaattattg	cctaattgtc	aaagtcaatg	ggttattttt	catattcatc	480
atatatggca	tttaacatta	tagctctaga	ttttgcccc	accttctctt	atgaaactca	540
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<210> 311
<211> 1467
<212> DNA
<213> Homo sapiens

<400> 311

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aaacaaaaaa	aaaaaaaaaa	aaaaaaa				1467

<210> 312
 <211> 1551
 <212> DNA
 <213> Homo sapiens

<400> 312						
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<211> 2483

<212> DNA

<213> Homo sapiens

<400> 315

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1964
<212> DNA
<213> Homo sapiens

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<210> 321
<211> 1650
<212> DNA
<213> Homo sapiens

<400> 321
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<222> (924)  
<223> n equals a,t,g, or c
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<210> 323
<211> 1015
<212> DNA
<213> Homo sapiens
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195

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gcttcaacag	tacaaggaaa	agaaacttgc	tctgttttgt	aagagcgtgt	tccttttctt	960
ctttttttgtc	acttttaaaga	ccaaaaagaa	taaagaaaga	aaagaaaaaa	aaaaa	1015

<210> 324
 <211> 803
 <212> DNA
 <213> Homo sapiens

<400> 324						
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aaatgcagtt	gaatggataa	tgaattagtg	ttatttatgg	attagaaaaa	gcatgtttct	180
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<210> 325
 <211> 665
 <212> DNA
 <213> Homo sapiens

<400> 325						
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atggcagtg	tttgatgtac	tgggtgcac	actgcatgga	ggcctggctg	tcctcacaac	540
agctgggtgct	gcaccggaac	atgagaccct	gcattctcca	gatgttctct	ctytccagac	600
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cccca						665

<210> 326
 <211> 1454
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (676)
 <223> n equals a,t,g, or c

<220>

<221> SITE
<222> (695)
<223> n equals a,t,g, or c

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<221> SITE
<222> (705)
<223> n equals a,t,g, or c

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<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (814)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (821)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (828)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (881)
<223> n equals a,t,g, or c

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gacggactct ccattccaga accatggccc aatttgccg taacccttgt ggagaagaac 420
cccggcgctg gtgaacgctg ctgtgactta ctcgaaagcc tcggattggc cacattttgg 480
taactaacgc caagggttgag ctggttcctt cccaaccctt gctgaaatcc ctaaagctat 540
tcaaagcctg aaaaaaatag tcaatattgc tcagactggg agcttcaaac agctcacagt 600
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aaaaaaaaaa aaaa 1454

<210> 327
 <211> 853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (851)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (852)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (853)
 <223> n equals a,t,g, or c

<400> 327
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 tttatatattt ttgtaacatt ttaaagctat tgcctagttt aataattatt tcagttttgtg 180
 tatgtaagga caatcaggca tttaaattta taaaacatgt ttganaatct ttaaaagtta 240
 cacttactga ctagtttgct gtctgttgca ctaacaaaat ttattattca tgtttcggga 300
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 ggaggccgag gtagacggat cacttgaggc caggagtttg agaccagcct gggcaacatg 660
 gtgaaactcc gcctctacta aataaaaaaa aaaattagcc tggcatgggg gcaagtacct 720
 ataatcccag ctactcggga gactgaggca ggagaatctc ttgaaccag gatccggagg 780
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 aaaaaaaaaa nnn 853

<210> 328
 <211> 1117
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (800)
 <223> n equals a,t,g, or c

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 accatccagg aatacatgca cctggccctg tactgcttcg ctgacagcca gctgtccacc 180
 gccctgagcc tgctgtaccg cgcccgtac ctcatgctgc tgggtgttcgg ggaagaccac 240
 cccgagatgg cgctgctgga caacaacatc gggctggtgc tgcacggggt gatggagtac 300
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ccgcccctca	agttcacggc	ccccagcatg	gccagcgtct	tggagcagct	gaacgtcatt	660
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<210> 329
 <211> 685
 <212> DNA
 <213> Homo sapiens

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 <222> (17)
 <223> n equals a,t,g, or c

<220>
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 <222> (28)
 <223> n equals a,t,g, or c

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 <211> 2630
 <212> DNA
 <213> Homo sapiens

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<210> 331
 <211> 677
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> n equals a,t,g, or c

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	tgcttcaga	aggtgtcagt	acagctcgga	aagagaagca	tgcaacaatt	agatccctca	180
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<210> 332
 <211> 858
 <212> DNA
 <213> Homo sapiens

<400> 332

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<400> 334						
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 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<211> 1830
<212> DNA
<213> Homo sapiens
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<400> 348

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<210> 349
<211> 977
<212> DNA
<213> Homo sapiens
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<400> 349


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<210> 350
<211> 1893
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (1842)  
<223> n equals a,t,g, or c
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<210> 351
<211> 847
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (812)
<223> n equals a,t,g, or c
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2572)

<223> n equals a,t,g, or c

<400> 353

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<210> 354

<211> 1100

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1088)

<223> n equals a,t,g, or c

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<211> 2746

<212> DNA

<213> Homo sapiens

<400> 358

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<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c
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<211> 840
<212> DNA
<213> Homo sapiens
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 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

<400> 368

<210> 369

<212> DNA

<400> 369

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<212> DNA
<213> Homo sapiens
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<211> 1984
<212> DNA
<213> Homo sapiens
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<400> 373

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<210> 389
<211> 1124
<212> DNA
<213> Homo sapiens
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<211> 1786
<212> DNA
<213> Homo sapiens
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<210> 396
<211> 1305
<212> DNA
<213> Homo sapiens
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<210> 397
<211> 1962
<212> DNA
<213> Homo sapiens
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<400> 397							
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<210> 398
<211> 1880
<212> DNA
<213> Homo sapiens
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 <211> 992
 <212> DNA
 <213> Homo sapiens

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<210> 405
 <211> 2150
 <212> DNA
 <213> Homo sapiens

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 <222> (13)
 <223> n equals a,t,g, or c
 <220>

<221> SITE
<222> (1984)
<223> n equals a,t,g, or c

<400> 405

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<210> 406
<211> 939
<212> DNA
<213> Homo sapiens

<400> 406

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<211> 2541

<212> DNA

<213> Homo sapiens

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<211> 2071

<212> DNA

<213> Homo sapiens

<400> 414

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<212> DNA
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<211> 869

<212> DNA

<213> Homo sapiens

<400> 417

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<210> 452
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 452						
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 <211> 1413
 <212> DNA
 <213> Homo sapiens

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caa						2163

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<210> 456
<211> 1588
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (1586)
<223> n equals a,t,g, or c
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<400> 456						
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actttcactc	cagtctcccc	tcttttgccc	tactgaagc	caaaccacag	aagactttga	660
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cccttatttt	tcattctagag	gaatctcggg	tccagccctt	tcattgctaa	gacacctttt	900
cactgaqgtt	cttaccagct	cagccaaatc	tccactctgc	tatagcagaa	gcaataatgt	960


```
<210> 458
<211> 907
<212> DNA
<213> Homo sapiens
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<400>	458						
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aaaaaaa							907

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<210> 463

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (836)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (837)

<223> n equals a,t,g, or c

<400> 463

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<210> 466
 <211> 917
 <212> DNA
 <213> Homo sapiens

<400> 466
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 aaaaaaaaaa actcgag 917

<210> 467
 <211> 676
 <212> DNA
 <213> Homo sapiens

<400> 467
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 aaaaaaaaaa aaaaaa 676

<210> 468
 <211> 1232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1204)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1229)
 <223> n equals a,t,g, or c

<400> 468
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 aaacttaggg acattattaa attggatgga atgcacttct aaatgtttaa attaaaattt 120

<220>
 <221> SITE
 <222> (1381)
 <223> n equals a,t,g, or c

<400> 470
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 aagtaaactc agcaaggata tggagagcca tgttttctg aaggccaaga cccgggacga 180
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<210> 471
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 <213> Homo sapiens

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<220>
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 <222> (692)
 <223> n equals a,t,g, or c

<400> 471
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 aattataaac ctgtggcaga atgacttata aatttataact aattttaaaa attaatgaat 180
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 ttcagatgaa aactggtaat aaaatcagga ttttattaat aaaataaaac caaaaggaga 420
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 <211> 2017
 <212> DNA
 <213> Homo sapiens

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 <222> (2015)
 <223> n equals a,t,g, or c

<220>
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 <222> (2017)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (1413)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1414)
 <223> n equals a,t,g, or c

<400> 474

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taaagaatgc	aatggctttt	aaactgcagt	tactgtgttc	ttaatgaagc	aatacccaaa	480
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<210> 475
 <211> 1412
 <212> DNA
 <213> Homo sapiens

<400> 475

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aaaaaaaaaa	aaaaaaaaaa					2120

<210> 482
 <211> 846
 <212> DNA
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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<210> 483

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<400> 483

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<210> 484

<211> 2909

<212> DNA

<213> Homo sapiens

<400> 484

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cctgacttta	cattgaccaa	taaagaggct	ttatttttaa	aaaaaaaaaa	aaaaacttcg	2880
gggggggggg	cccggtaacc	caatttgggn	cctttaag			2918

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<210> 486
<211> 2918
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (2910)  
<223> n equals a,t,g, or c
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<400>	486						
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actaatcccc	agcccatctt	tgcctgcttt	ctagccctgt	ctatcctgaa	gcgggctcgc		120
cgggagcgcc	caggccgtgt	agcctttgat	gggatcaccg	tcttctactt	ccccgcgtgc		180
cagggcttca	ccagtgtgcc	cagccgttgt	ggctgtactc	tgggtatggc	ccttcgccac		240
agtgttgcc	gtcgcttctc	tttggttag	tttgcgcagg	agcaagcccg	tgcacggcac		300
gagaagctcc	gccagcgctt	gaaaggagg	aagttggaga	tgtgtcagtg	gaagctttcg		360
gcagctgggg	tacctcaggc	agaggcaggg	ctgccacctg	tgtgtgatgc	cattkatgac		420
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ggctgtcact	gcgataggat	ctgcgacct	gagacctgca	gctgcakcct	ggcaggcatc		660
aagtgccaga	tggaccacac	agcattcccc	tgtggctgct	gcagggaggg	ctgtgagaac		720
cccatggggc	gtgttggaatt	taatcaggca	agagttcaga	cccatttmat	ccacacactc		780
acccgcctgc	agttggaaca	ggaggctgag	agctttaggg	agctggaggc	ccctgccacc		840
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gccaacctgg	atccagctgt	cttcctaaat	ggtggccttg	aagggtcaag	ggaaggcagc		1320
cttcactggca	cctcagtgcc	cctccagatg	gacgtcgcc	ggagttagctc	agtggatctc		1380
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<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (38)

<220>

<221> SITE

<222> (769)

<400> 490

<211> 218

<212> DNA

<400> 491

<211> 488

<212> DNA

<400> 492

$\langle 211 \rangle$ 1269

<212> DNA

<400> 493

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aaattttattg	gtctagccag	gtgtgagcct	ccattcctta	atgtgccagc	tggactcccc	240
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catgttccat	acaggagctt	ctgatgggca	aacagtgggt	gatacagtca	cactcactac	360
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ccatcaggga	aataaaaaacc	tgcatatttg	tcacacactt	tgggtctata	tagaccatta	480
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tttagggatc	aaaaaagtca	acaccaagct	tatataaata	gctttttacca	tctgggttgc	960
caccttgact	gtaggaagca	gagtcctatc	aattcttttc	tactaggaaa	aagggtgtctc	1020
atcatagaga	ggaaggggag	gaataataaa	agaaaaacaa	tttgaatag	catgctatcc	1080
cttttttctc	gttgacagga	aatcaagttc	tcagcttggt	aattaagtta	aaaatacaga	1140
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tggaggccc						1269

<210> 494
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (848)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (849)
 <223> n equals a,t,g, or c

<400> 494						
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cccttgaatt	gcatgcttat	ccattgtcta	taaggcagct	ttatctggca	gtgaaattat	180
gtgtcatttc	tgggtgggtgg	ctgggcctgc	catagcaaat	taccacaaac	agaaatgtat	240
tctcttatat	aattctggag	gcaaagtctg	aaatcaaagc	atcagcaggg	ccatgctctc	300
tctgaaggct	ttagagaagt	atccttccct	gcttcttcc	agtcttctgg	ggttgccagc	360
aatccttggc	attcctggac	ttgcagatgc	atcactgcaa	tctctgcctt	agtatccaca	420
tgaaattttt	cctgtgtgtc	tgtctgtgtc	cagattgtct	ycctttwatg	ggggccattc	480
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aaatactgtt	tcaggccggg	cctgggtggc	gaagcctgta	atccmagcgc	tttgggaggc	600
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ccgtctctag	taaacataca	aaaatcagct	gggcgtgggtg	gcacatgcct	gtagtctcag	720
ctacttggga	ggctgaggca	tgagaatcgc	ttgaaccggg	gggcagaggt	tgcagtgcgc	780
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aaaaaaanna	aaaactcg					858

<210> 495
 <211> 1107
 <212> DNA
 <213> Homo sapiens

<400> 495						
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taagccccag	gcttgctgag	cagatgacgc	gatggaaaagc	atgtgaacct	gaaggagccg	240
cgccgtaccg	gcttctcgga	ggccctggcc	tgtgctgcct	ctcagtcctg	gaggtcgccc	300
gccactcct	acctccatgg	ggttgacggt	gatggtcagg	gcagagtcgt	cccagtcctat	360
ctcgtttctc	ttcccgggtg	cctgatcccc	catgggtccg	cgatgtgcgg	cccggatccg	420
aaataccccc	aggataatca	tgaacaccag	gaagctgacg	cacaccacga	tcacaactgt	480
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acctggctcg	gccacgtcct	gctccatagc	tgcgggtgac	atcatctgcc	ctcttcgagg	720
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ggttggcgctg	ttccatgggg	ttggccgtgt	ggattacatt	cacctatagc	agagaaagag	1020
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tggcatgacc	agtgccactc	agagtgg				1107

<210> 496
 <211> 1114
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (850)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (866)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1076)
 <223> n equals a,t,g, or c

<400> 496						60
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gtgtgatttg	tgactcctat	gtgcgtccct	gcactctggt	gcgcatatgt	gatgagtgtg	240
actatggatc	ttaccagggg	cgctgtgtga	tctgtggagg	acctgggggtc	tctgatgcct	300
attattgtaa	ggagtgcacc	atccaggaga	aggacagaga	tggctgccc	aagattgtca	360
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gaaaaggatt	cttcacagag	cactctggca	caccatctcg	gagaaaaactt	gatagattag	660
ttaatggttt	ttcttgaatt	cgagaagcat	agatctgttc	tccatattgg	tatgttctcc	720
ctcaaccaag	atcttctaaa	aagaaataat	atctttagtct	tctgcttgag	gaactgactg	780
tgaagcgacg	cccagtga	aacatgttct	tgcagcagct	ctgggtggcag	ctgtccttga	840
ggaacctttg	gtgtgtgggtg	ggaagctatc	agaacaagaa	atgtaggcat	ttcccgtttt	900
tttggggggg	grgggtgggg	gggcangctc	tgcctctctg	aaaggcattt	acttgtttta	960
cacttgtcca	gctacagtgg	ggtacagttag	ctggctattc	acaggcatca	tcatagccca	1020
ctagtctcat	attattttcc	ttttgagaaa	ttggaaactc	tttctgttgc	tattatatta	1080
ataaagtgg	tggtttat	ctggtaaaaa	aaaaaaaaaa	aaaaaaaaaac	tcgggngtac	1114
ttctagaagc	ggccgagggc	ccatcggttt	tcca			

<210> 497

<211> 371
 <212> DNA
 <213> Homo sapiens

<400> 497
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 agttttctgcc tccttccaaa ccagggttcaa atgcgtttcc cccctgtttg ttaatgtcct 120
 gctcatccca cagcttgggg tcactcttaga ccttttactc tccctttctc ccaactcctg 180
 tcagggtgtag ccccatccc ctcttagttg tattgcttgg ttgtctccat ggcatgcttt 240
 cttgcagtgg tgatgtgggt ctctctgcct gtgggggtctt gccactcta gttcatgtag 300
 ttttagctgc aagaaaaaga tcttctaag tgacagtctg agcctgtcac ttaaaaaaa 360
 aaaaaaaaaa a 371

<210> 498
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (25)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (29)
 <223> n equals a,t,g, or c

<400> 498
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 aattagtgga atggtataat tgatacgaca agaggattgt ttaacttaag ggaagcaatt 180
 tattatgcat gcatgagaag cttctaggtt tttactgacc aattgcatgc ccattacata 240
 tcctttttgt attttagaga taataatcat cttatattgt ttacctcta gccagtttt 300
 tggcacactt gaaagtacta caaattgtct ttatgaaaaa aaaaaaaaaa aaaactcgag 360

<210> 499
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 499
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 ttacctcaac ctccagaaac tgggggtgcc agggcccaaa cccaacgtgt ctttctctc 180
 attgatcgca ttcagtctca tggcttttaa cacaatatca caccaaattt acctccgcc 240
 tgggcctctg cctgtctctt gggcctcctg cattttactg cccacctgca cctatgtttg 300
 gacataaaag aaactcccag cgccacctgt aatgcggcac tccgtagatc ctccaagtgc 360
 gctctgtcta ctgcaactct gcccatctca gctgagggca gtgccactgt ccagtgggtca 420
 aaagccctgg agtgccctg actcctgtct ttctctcaca cctgtgtct gactcactgg 480
 caaattatat tggctctacc tcgag 505

<210> 500
 <211> 499
 <212> DNA
 <213> Homo sapiens

ccagctactc gag

1333

<210> 509

<211> 391

<212> DNA

<213> Homo sapiens

<400> 509

ggcacgagtt	agaggctttt	tttgctaaag	ctgagcttac	atgccgtaaa	actcagttcc	60
aaagtataca	gttcagtggg	tttttaatag	cgataggggt	cataaaccag	tgtttctcag	120
ccagaggtga	ttttgcccc	caaggggtat	tatgcattgt	caggagacca	gaaaggggtg	180
tcacaactcg	ggggtgccac	tagcatctag	tggttgagg	ccaaggggtg	tgcccaaatac	240
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gaggcgctct	ggtctaggct	ggtgctccag	gctgcttaca	gcctgctgcc	tcccaaccct	360
tcccgcagc	tgaaaaaaaa	aaaaaaaaaa	a			391

<210> 510

<211> 182

<212> DNA

<213> Homo sapiens

<400> 510

ggcacgaggt	aagtctaact	attctgactg	tatttattag	ctttactttt	gttgatgaca	60
aatccaatct	cagattgata	tgtgtgcttt	ttaggtataa	tcatttgcat	actgaacatc	120
aaatgtattc	aggtattagc	catctctttg	aagattgtaa	agagaaaaaa	aaaaaaaaaa	180
aa						182

<210> 511

<211> 587

<212> DNA

<213> Homo sapiens

<400> 511

ggcacgaggt	ggcacgagga	agcagtggaa	taatcctcca	tggcacaagg	gagcgggtgga	60
ataatcctct	gtggcacgcg	gggggggggtg	tggaataatc	ctccgtggca	cgaggggggtg	120
gtggaataat	cctccgtggc	acgggggggtg	gaataatcct	ccgtggcatg	agggggcggt	180
ggaataatcc	tccgtggcac	gagggggcgag	tggtataatc	ctctgtggca	cgaggggtcg	240
gcggtataat	cctccgtggc	acgaggatgg	tcaccgcatt	cgtcactctt	agctgcagtg	300
cgtgtgacag	tcgccagggc	tgctgtttga	ggaatgggag	ttgcctgcgt	ctgctctgcc	360
ccaggtgggt	tgtagggtgg	tttttactcc	ttgccaaagc	ccacacagcc	ccgcaaggca	420
aacagtgttc	aactcctttc	atggctgaaa	aactgggaca	tcagagaggt	taagacactg	480
gccagggcca	cctggcaggg	aagcttcctg	gccttgcttg	caccaggact	gtccgatggg	540
gacgtcatct	gcctcccaga	cggtatctta	aaaaaaaaaa	aaaaaaa		587

<210> 512

<211> 1630

<212> DNA

<213> Homo sapiens

<400> 512

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ttacagccaa	tgaaactgta	agtaagtcaa	acttcctttc	tttcagttct	agatagttct	180
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tcggctgtca						1630

<210> 513

<211> 2139

<212> DNA

<213> Homo sapiens

<400> 513

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caccaggta	ctaagcctag	taccaatac	ttattttttc	tgctccactc	ccttttccca	180
tcctccacc	tcaagtagtc	ctcagtcaga	cctgaattct	gattccagct	tggccacgct	240
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agccatgagg	ctgttgtgag	gactatttga	gttgacttta	tctcgcccag	cacagagcat	360
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gcagtcttgt	tcatgcattt	ttgtatgcaa	gtttctaatac	tgtgttacct	ctgtgggcat	480
atacatcatg	gggatttgta	gcttcatttt	ataagaagct	aatattgggtc	atgcttacct	540
actattcttg	ggtgtttgcc	agagstgctt	tggagtatat	ttgaaatggc	catctctygc	600
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (176)
<223> n equals a,t,g, or c

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<211> 626
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<213> Homo sapiens

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<211> 342
<212> DNA
<213> Homo sapiens

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<210> 539
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 539						
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<210> 540
 <211> 1896
 <212> DNA
 <213> Homo sapiens

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<210> 541

<211> 3362

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1488)

<223> n equals a,t,g, or c

<400> 541

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tgcaccttat	acgtagggaa	gggccattgc	ctccctcact	gttatccaag	aacacctttg	240
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<223> n equals a,t,g, or c

<400> 543

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tacaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	419

<210> 544

<211> 1262

<212> DNA

<213> Homo sapiens

<400> 544

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<210> 545

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 545

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<212> DNA
<213> Homo sapiens

<400> 548

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g						1681

<210> 549
<211> 697
<212> DNA
<213> Homo sapiens

<400> 549

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ggatgaagta	ccctatgttt	ttgggggtcc	tatggtaggc	cccactgacc	ttttcccttg	660
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<210> 550
<211> 733
<212> DNA
<213> Homo sapiens

<400> 550

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<210> 553
 <211> 1336
 <212> DNA
 <213> Homo sapiens

<400> 553						
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<212> DNA

<213> Homo sapiens

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 <212> DNA
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<212> DNA
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<213> Homo sapiens

<220>

<221> SITE

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (863)

<223> n equals a,t,g, or c

<400> 561

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<210> 562

<211> 3840

<212> DNA

<213> Homo sapiens

<400> 562

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<211> 2243

<212> DNA

<213> Homo sapiens

<400> 563

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<210> 564
 <211> 1635
 <212> DNA
 <213> Homo sapiens

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 <222> (1018)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 566

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 <211> 1119
 <212> DNA
 <213> Homo sapiens

<400> 567

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<212> DNA

<213> Homo sapiens

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1978

<210> 577
<211> 1990
<212> DNA
<213> Homo sapiens

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<222> (1747)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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 <211> 554
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 583

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 <211> 1719
 <212> DNA
 <213> Homo sapiens

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<210> 587
 <211> 797
 <212> DNA

[illegible]

<223> n equals a,t,g, or c

<223> n equals a,t,g, or c

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 590
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aaaaaaaaa aaaaaaaaaa aaaaaa 686

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<211> 1112
<212> DNA
<213> Homo sapiens

<400> 591
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ggcaaggagg agacccagg gcagaggcca gcgtgagtg tgcgtctctcc ctcgatgact 180
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gctaaacaac cagctcctga gcctcccaaa ccttacaggt atacaaggcc aagaaaccac 540
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gccactgcac cccacctgag gcaacagagc gagattctta tttttttatt tttattacta 960
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<210> 592
<211> 1254
<212> DNA
<213> Homo sapiens

<400> 592
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<210> 593
 <211> 1240
 <212> DNA
 <213> Homo sapiens

<400> 593						
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<210> 594
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<400> 594						
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tgagttgtcc	caaattgatg	tgacagtcag	gctgtttcat	cttttttggt	tattttcaat	960
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gattcacagt	cccaagg					1337

<210> 595
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<400> 595						
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tatagtga	cgattacaa	ttcactggcc	gtcgttttac	aacgtcgtga	ctgggaaaac	1140
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agcgaagagg	cccgaccga	tcgcctttcc	caacagttgc	gcagctgaat	ggcgaatgga	1260
gatccaattt	ttaagtgtat	aatgtgttaa	actactgatt	cyaattgttt	gtgtatttta	1320
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<210> 596
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<400> 596						
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gcctaataaa	cagagatcct	aaaaaaaaaa	aaaaaaaaact	cgagagtact	tctagagcgg	1020
ccgcgggccc	atcgattttc	cacccgggtg	gggtaccagg	taagtgtacc	caattcgccc	1080

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aaggtcctaa	atagcctttc	tgagcctcca	gtttcccatc	tgtaaaagag	gtatactcca	1440
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aaaaaagggc	ggccgctcc					1519

<210> 599

<211> 1108

<212> DNA

<213> Homo sapiens

<400> 599

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<210> 600

<211> 1579

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1388)

<223> n equals a,t,g, or c

<400> 600

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cctgcagatg	cagctgatcc	tgcactacga	cgagacctac	cgcgagggtga	agtatggcaa	360
catggggctg	cccgcacatg	acagcaaaa	gctgatgggc	atcaacgtga	ctcccatcgc	420
cgccctgctc	tacacacctg	tgctcatcag	gttttttggg	acgaatggat	gatgttcctc	480
gctgtgggca	tctacgcctt	ctttgtctcc	accaactact	gggagcgcta	ctacacgctt	540
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[illegible]

<210> 603

<212> DNA

$\langle 220 \rangle$

<222> (256)

<223> n equals a,t,g, or c

355

<210> 608
 <211> 1387
 <212> DNA
 <213> Homo sapiens

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 aaaaaaa 1387

<210> 609
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 609
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<210> 610
 <211> 924
 <212> DNA
 <213> Homo sapiens

<400> 610
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<220>
 <221> SITE
 <222> (1808)
 <223> n equals a,t,g, or c

<220>
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 <222> (1822)
 <223> n equals a,t,g, or c

<220>
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 <222> (1855)
 <223> n equals a,t,g, or c

<400> 613
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 tccagctcca cggaaaaataa tggccctcaa acggtgtgga ctggaccctg ggcacctcac 360
 atgaacagtg tgcataatgaa ccagcttggc tgatgaggat cagcttggtta gcctgcagat 420
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 gcatttttct tatcattttt ctttttttct tccccctctt ccccttggac ataactttct 660
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<210> 614
 <211> 1267
 <212> DNA
 <213> Homo sapiens

<400> 614
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 tatacccttg tttctttat gacacacagca tgctctgtga atgccatcat tgctttgctg 240
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ctacaagata	cccattgaca	acatgaccaa	tgagatggag	caaaggggtg	aacctcataa	540
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aaaaaaa						1267

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 <212> DNA
 <213> Homo sapiens

<400> 615						
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tcttagactc	ctggcctctg	agagacacct	ctaaggacaa	actgaccttg	cattgggaac	240
tttattatcc	agatcctcat	aggctttgtc	tactctggat	tgcttgttgc	aacagttctt	300
aggaagcaag	attgtctcct	gcaccagcat	ctgcctgtgt	ttgcttttac	ctactttgag	360
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tggggcatgg	aaggaatgca	ctcttgggct	gttttgcttg	tatctgactc	accctgact	720
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ttattgtgaa	tccccaagag	ttaccacagg	cccttcccaa	atataatatt	aatcttgtgg	840
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aaaaaaaaaa	aaaaa					915

<210> 616
 <211> 1358
 <212> DNA
 <213> Homo sapiens

<400> 616						
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gagaggaaga	aacttttttt	ccttcttttc	caggagtgc	tggaaattaa	gatcgggttc	420
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tgtttaacact	gatgccaata	cagtgtgggg	tgccagaaaag	tgtctgctga	tatttgtgga	600
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<210> 619
 <211> 697
 <212> DNA
 <213> Homo sapiens

<400> 619						
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ttgttcacag	caatccgtgc	cctgttcctg	gctgtctgtg	tcttgaaggt	cattgtgtcc	300
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<210> 620
 <211> 611
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (80)
 <223> n equals a,t,g, or c

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gatctgagag	gctgtctgtg	tgaaggctga	atttcatgaa	ctatctcatt	gttgggatgg	180
ttccctttca	gcctcgtgcy	aacaagatga	attagataat	tgtataattc	cttgagctc	240
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gaacttgagt	tttttctctc	cctgttcagt	gatataacct	cagctgggca	tgcttattta	1260
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accaaccctc	ggcaaccrgt	ctcccctccc	cttcccncaa	atatgtatat	tattatgngt	1440
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<211> 596
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 626
<211> 1735
<212> DNA
<213> Homo sapiens
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[illegible]

<210> 627
 <211> 1388
 <212> DNA
 <213> Homo sapiens

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 ccccttaacc tgtacctact ttttggattt acgctgttgg aagctctgac tgtggcagtt 360
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 atcagcctct acttggatat catcaatcta ttcttgcacc tgttacgggt tctggaagca 720
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<210> 628
 <211> 887
 <212> DNA
 <213> Homo sapiens

<400> 628
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 aggacatcaa tacttagtta ttaattcatt tgcttatatt tatatgtcat ttgaaaatgt 180
 gtattaacat acacaattaa agggatataa aaatgaacat gccctctcca tttctttaaa 240
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 gaaagcattt gaatgcattt tgtttgggtat tgtattttatt caataaagta ttttaattag 720
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<210> 629
 <211> 804
 <212> DNA
 <213> Homo sapiens

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caagctgtca	ggatgcttaa	gctcttttca	gacatctgca	gtttcatccc	taccttggtc	1620
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aataaaaagca	tgtacttcac	agctagcatg	ttcacagatt	tgaaagaagt	ttcattaaaa	4320
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<210> 632
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 632						
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tgtgaaaagg	attatattat	aaagggttgt	actgtctgag	tgacacagct	ctggaataaa	180
tttaggggaat	ctcaggaaca	agcatataat	ttgtccaaga	tttatttctt	ctcagaagtg	240
taagtgcagt	ttttaattct	gtatattatt	taatatttta	ccaataaaat	aaacttctga	300
cataaaaaaa	aaaaaaaaaa	aaaa				324

agtttcagcc	actaaggccg	aagcagaaaa	ggatggagtg	aagggtcccca	caaccctggc	600
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cgacttgat	gatgacgaca	ttgatgatga	agatgaggag	gaggaagatg	ccgactgtta	720
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ccctgccatc	tcaggccaaa	gggaggggag	caagtgggga	cctggccatg	gcccctcagc	840
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tgggagaaga	aacatctgtt	ttatanatth	agcatggcct	tcccatcaaa	aatacactcn	1740
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<210> 637
 <211> 699
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (694)
 <223> n equals a,t,g, or c

<400> 637						
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acaatagaaa	ttaatttctt	cacaattctg	gatgcttatg	gtccacgac	aagttgtcag	180
cagggttggt	ttcttagggc	actccttggc	ttgtagatgg	ccaccttggt	gctgtgtcct	240
cacgtggcct	ttcctttata	tgtgctgtcc	cctgccacct	ctatcttaag	aggacaccag	300
tcatattgga	ttaggggtccc	accccaacaa	cttcatgtta	acatcatctc	tttaaagacc	360
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<210> 638
 <211> 1453
 <212> DNA
 <213> Homo sapiens

<400> 638						
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aggatataat	gtttgatttg	ttgtttatth	ccacttttat	attaatcttt	ttagctagct	180
tggatttgga	agtgaactac	tgaatctttt	tttctttttt	tataagcttt	tgtaggaggt	240
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cgtgaaatgg	cagtatatgc	catgatatact	aaggagttgg	caagcttaac	aaaacccatt	600
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<210> 639
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 639						
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aaaattctcc	tagatctctt	gaatcatgca	aatttgcttt	gcctttatat	tgtaaccctt	420
gtgggtttgct	aataaccaag	cagttttagt	tagagttaac	tcaggctcgt	tctagggact	480
cattcatgtt	cactcactgt	acactcatct	ctggaaatgt	aaaatttact	tttatactat	540
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aaaagacatt	tgtatgggtc	atttcaaaga	aggcttatga	agctgtgaaa	cccagagctc	660
ttaacgctgt	gaccaaagat	ggaagtcttc	tataggaagc	cctatagcac	tcctaattgt	720
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tggaattcct	cgaataacaa	tttattgact	ttaaataatt	ttgtctaattg	ctacatatat	960
acaattaaaa	aacctttaca	ctattttctag	aaagtcagca	tgtatttttg	gctcgaagtt	1020
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1140

<210> 640
 <211> 1397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (579)
 <223> n equals a,t,g, or c

<400> 640						
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tattgtattc	tttttgtggc	tattgtgaat	ggaattgcat	tcttgatttg	gctgtcacct	240
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actttgccaa	agttgcttat	cagatcaagg	agcttttggg	cagagactgg	aatttttctag	360
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aaaaaaaaaa	aaaaaaa					1397

<210> 641
 <211> 1883
 <212> DNA
 <213> Homo sapiens

<400> 641						
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<210> 642
 <211> 2220
 <212> DNA
 <213> Homo sapiens

<400> 642

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<210> 643

<211> 432

<212> DNA

<213> Homo sapiens

<400> 643

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<210> 644

<211> 1799

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (1355)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1356)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1589)
 <223> n equals a,t,g, or c

<400> 644

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 <212> DNA
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<213> Homo sapiens

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<211> 1685

<212> DNA

<213> Homo sapiens

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<211> 526

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens
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<211> 1875
<212> DNA
<213> Homo sapiens
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aactatgcag	agttaaatat	ttgcttgtaa	aatattagcc	aatgttgtca	ttattttgat	1500
gtatttctct	ggttatgacc	aaaaatatgt	tgagatactg	aaactaatgt	ctgtgtgttt	1560
aaatgtttac	cagcaaatgt	tcttatcatg	ttaatgagaa	tggtcaatgc	ctgtgtgtga	1620
aatagtaaat	acaatggcat	aaaagtaact	ttctctgaag	atgtgatgtt	caggctgtga	1680
aatatatatg	taaaagaaaa	ataaatgtta	tttgttagaa	aaaaaaaaaa	aaaaaaaaaa	1740
ctcgta						1746

<210> 660
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>


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<221> SITE
<222> (426)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (443)
<223> n equals a,t,g, or c
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<400> 660						
acgagggtttc	accctgttg	ccaggctggt	ctcaaaactcc	tgacctcagg	tgatctgcct	60
gcctcggcct	cccagagtg	tgggattacg	gtcatgagcc	atggcgcatg	gcctatacag	120
tattcttatt	ggcttaggtc	ttttaactgg	gttattactg	cttcataatt	ggtctccctg	180
cttcagttt	cttccatcca	tatcttccaa	cctgacccca	aaagtaattc	tttctctttt	240
aaaaaaaaaa	aaaaaaaaact	cgagggggggg	cccgggtacc	aattcgccct	atagtgaagt	300
gtattacaat	tcactggccg	tcgttttaca	acgtcgtgac	tgggaaaacc	ctggcgttac	360
ccaacttaat	cgcccttgca	cacatccccc	tttcgccagc	tggcgtaata	gcgaagaggc	420
ccgcancgat	cgcccttccc	aanagttgcg	cacctgaatg	gcgaatggca	aattgtaagc	480
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<210> 661
<211> 1671
<212> DNA
<213> Homo sapiens
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<400>	661					
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aaatcaaaca	aaaatccata	ccaacttccc	agtgaggtct	ttcagatgct	ataggattaa	180
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tcgtcatcat	catcttagtt	ccattacaaa	ttatgggtct	gcattagcca	caaagctatt	300
catgggggat	tggttgtgat	tctaacttct	tttcaaaaga	ctatatacta	tacatattgt	360
atggtgcttt	tgagaattca	cgattttggt	gtttcacatc	tagtgggtgt	attacatttt	420
tcccctggta	attccacca	cctaaatgga	atataattttg	ccactctgtg	tatacctagt	480
atgtaacttg	ttcagtaagt	tcagatatat	gcacttaact	gggggattct	aagctacttc	540
cccaataaaa	accaatattt	tctttccctc	tcctttatga	gttataaaac	actttccctc	600
cccttcttct	tttatttagt	ttatatgcca	gagatttttc	tgctctaggg	atgaaaatgg	660
aagaccaggg	aagaaagttg	atgaaataga	gatgattcaa	agatcgga	tattttatcc	720
tcaactgata	taaagtaaat	tatttttctc	cttttccaat	aacctcatt	tccttgcac	780
ttggaatcat	tcaaaaccta	gccactgagt	cctgtacaaa	ctaattgtgt	gtctcaagat	840
gagaagaaac	atgaaatatt	ggtagctgta	cagattgtac	tagtctgatt	atatttacag	900
ttatgagata	ccgcaaattt	aagaatgcca	atttttctc	atcactgagt	atttattata	960
tataacaaat	acatgggaca	ggaaaaacta	tattgtgtga	tataaatagt	ttatttacat	1020
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tagctgtagt	acatgttttc	attgggtag	attaccacaa	atgcaaggca	acatgtgtag	1140
atctcttctc	ttattctttt	gtctataata	ctgtattgtg	tagtccaagc	tctcggtagt	1200
ccagcccact	gtgaaacatg	ctccccttag	aattaaacctc	gtggacgctc	ttgttgtatt	1260
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agctgcgatt	aagacatact	gaaatcgta	aggaccggga	acaacgtata	gaacactgta	1440
gtcctttttt	tcacagtgtt	gtccagtata	accagcatca	cacctgcaag	atggctcctg	1500
catattgata	gaatgctcac	ccttcccatg	catgcagaag	ccattgta	gttccggaca	1560
aggtatctgg	tgctctcttg	cactttcttc	taattgttta	gcattctctg	cataatctgt	1620
tcttaccata	tccccatctt	caqacttagt	agttgtagtt	gtgctcgtgc	c	1671

```
<210> 662
<211> 1356
<212> DNA
<213> Homo sapiens
```

<220>


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<221> SITE
<222> (682)
<223> n equals a,t,g, or c
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<400>	662									
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g c a c t g t t g t	t t c a t g c a a t	g t g a g a a c a c	a g c c a g g g g a	g a a a c a t c a a	t g c a a t c t t t					120
a t t t t t t t a t	t t t t a t t t t t	t t t g a g a c a g	a g t g a g a c c c	t g t c t c a a a c	a a a a c a a a a a					180
a c a a a a c t a c	a a g a g t t a t a	t a t a c a t a c a	t a t t t a c a c a	t a g a c a c a c a	t a c a t g t a t a					240
c a t g c a t a t g	c a c a c a g a c g	t a c a t g t g t a	t a t c t a a a a t	g a t c t t c a g g	a a t g c a c a c g					300
a g a c a t t a g	g g t a g c c a c c	t c t t g t g g g a	a g a g g g g t g g	c a g a t c t t c a	t a t t t t t a t t					360
c t a g a t t t t c	a t a a t c a t g t	a c a a a t t t a a	a a t t a a t t t t	t t g t t g a c a a	a a c c a g g c a g					420
t a a g g a g a g g	c c t a c a t a g g	g t t g c a t t t g	g t a g g c t t c t	c t t c a c a t a c	t c t t c t t t c t					480
c a t t c c c t g t	g t a t c t g a c a	c a t c c t t t t c a	g a g g g g c c t g	a c t g t g g a g t	g a t g t t t c t t					540
c a c t g c c t g c	t c a t c t c c t g	t g a c t t t t c t	g c g t t c c c t t	c t g a g c c t t a	c c a c c t t c g t					600
g g g a t g g g t g	t c c c t g g c t g	a a g g t g t a c c	t c t g c c a t g t	t c c c c t c c t c	c a g t a c c t t g					660
g a a a g t c c c g	g t g t g t c c t g	a n c a g e c a t g t	c t c c g a g g g g	a c t g t c t g g a	a c t c t c a t c c					720
c c a c a a t a g g	a a g g g t t t t t	c a g t c a t g g g	g g a a c a c t g c	g t t c c t g t c t	g a c c t c c t g g					780
g g t t c c t c a t	t t a c t g g g t c	a g t g a g c t g t	t g a g a g g c t t	c a g g a a g t c a	g g a g t g a g g a					840
g g c t g c c t a	g c t c t g t g a a	t g c a g e t t t c	c t a a g t t t c t	c t g g c c g t g g	a a c c a c t t t c					900
c c a g a a t g c c	t g t t g a c a t c	t t c g t g c t c c	a c c a a g a t g t	t g g g a a g t g c	g g c t c t t t c c					960
c t g g t t c c c a	c t t g g a c t t t	c t c c t t a a a t	c t t t g c a g c c	c t g g g a t t t c	c a g e t g g t t c					1020
c a t g c c c a t c	c a t a g c c c a c	a t a g c c t c t c	a g t c t g c c t t	g g c c c t t t c t	c c t a c c t c g g					1080
c c c t c a a c c c	a t t c a a a c a a	c a g a c c t g g t	c a c c t c t g a a	a t t t g g t g t t	a a c t c c a g g g					1140
a t t g a t t g c t	c a c t g g g g a g	c a g g g g c t a g	a t c c a g c c c a	c a g t g g t g c t	t g a c g g g g t c					1200
a c c c a t g t t t	a a a a a c a c a a	c t t g a g c c a a	t t t g g g g c t c	t t g g a a g a t a	c t t a g a g a t c					1260
t g g t t t t t a	t t c c a t a a t c	c a t g t g c c t g	t g a a a t g g g	a a a a a g a a a c	t t t g a c a g g g					1320
a t a g c c a t a t	q t t t c a g q a a	a a a a a a a a a a	a a a a a a							1356

<400>	663						
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ttccgagaat	cattgtcatg	tacatgcaaa	acgcactgaa	agaacagcat	ggtgcattgt		180
ccagggtacct	gttccgatgc	tgctactgct	gtttctggtg	tcttgacaaa	tacctgctcc		240
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caaaagatgc	attcaaaatc	ttgtccaaga	actcaagtca	ctttacatct	attaaactgct		360
tgggagactt	cataaattttt	ctaggaaagg	tgttagtggt	gtgtttcact	gtttttggag		420
gactcatggc	ttttaactac	aatcgggcat	tccagggtgtg	ggcagtcctt	ctgttatttg		480
tagctttttt	tgcctactta	gtagcccata	gttttttatc	tgtgtttgaa	actgtgctgg		540
atgcactttt	cctgtgtttt	gctgttgatc	tggaaacaaa	tgatggatcg	tcagaaaagc		600
cctactttat	ggatcaagaa	tttctgagtt	tcgtaaaaag	gagcaacaaa	ttaaacaatg		660
caagggcaca	gcaggacaag	cactcattaa	ggaatgagga	gggaacagaa	ctccaggcca		720
ttgtgagata	gatacccatg	taggtatctg	tacctggaaa	acatttcctt	ctaagagcca		780
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taataaacc	tattcttcct	caaaaaaaaa	aaaaaaaaaa				880

<212> DNA
<213> Homo sapiens

<400> 669
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gtccccacac ccacactgat tcagaatata tcattcatgt tgtggacagt cccataacag 180
tgcagtgggg gagggggccc aggttttttc ccttccttcc cccatttata tccgtgtggcc 240
agaggctcca gccacaata gcaactcaggg ttcccagttc tgcattctcc aaatatggcc 300
tcacatagcc cccggcctcc tacaggcaaa gaaagggagg ttctatgcag ccaaagacat 360
tgagtcactt aaagagggtt ccctagaagg cctacacttc ctctttctgc cccctcccca 420
ttttgctcag tctggatctg ggaacaccgg ctatctgcta ggccctaata tagttaacct 480
tttccatggg tcaactgttg atacttgga gaataatgat ctcaccact gatagatgag 540
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cca 603

<210> 670
<211> 1415
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1337)
<223> n equals a,t,g, or c

<400> 670
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catatttttc ctcttcattt atttttcatt cgctcatgaga tgaaaaatttt gatttatgtt 180
tgtttattgt ccacatctck atttaataata ttcaggcatt cttctacttc ttgaacatat 240
agtttacagt tgcaataact attttaatat ctttgcttac taattccatc atctgtatca 300
tttctgtggt tgtttctatt gctacatttt tttctcaca atgggtcaca ttgttctgtt 360
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ggatatcatt gtatttttag aaatattctt gagctttatt ctgggacact taagtatttt 480
ggagatagtg taatcctttc aagtcttttt atgcttagtt ggggtgggaac agaacaaact 540
taactagggc taatgttgcc catctactga gtcaataatc ttatgattat tctactcgat 600
gtcttgtgaa gtatgtttcc ttcttagatg aaacataagt tattcctgct actgtgtgag 660
cccttgggat tgttccctct gccattttta gttacttatt tttctgcttt aggtacattc 720
ctcacaagac acgtgctgat actttcagta aaaccttgag ggaacctct gcagatctac 780
tccgtgtctgt ctctttgcag ttctcttctc ccggtattct actaggcaaa ttctaacaag 840
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[illegible]

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<210> 672
<211> 3334
<212> DNA
<213> Homo sapiens
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391

[illegible]

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<210> 675
<211> 1859
<212> DNA
<213> Homo sapiens
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<220>
 <221> SITE
 <222> (917)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (981)
 <223> n equals a,t,g, or c

<400> 675

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gagggggtaa	tctgcccacc	caggctaagg	atttgagggt	tctgacaaaa	aagagctggt	180
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aaaggtaact	gatctctctt	ttggtcttct	tctccctca	cttccacccc	ttcacctgca	780
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ttgcttccat	ctcaatgtcc	attccattat	ttttagtcta	caataaagaa	acatgggcag	1740
cagtaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1800
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1859

<210> 676
 <211> 2867
 <212> DNA
 <213> Homo sapiens

<400> 676

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atttctgtgt	ctggagtctt	ctcggtcacg	ttttctgtta	tatttgccta	tgtagctgat	300
gtcactcagg	agcacgagcg	aagtacagct	tatggatggg	tctcagccac	ctttgagggt	360
agtcttgtca	gcagcccggc	cattggagca	tatctttctg	ccagttacgg	agacagcctc	420
gttgtgctgg	tggccacagt	ggtggctctt	ctggacatct	gcttcatctt	agtggctggt	480
ccagaatctc	tgcttgagaa	aatgagaccg	gtttcctggg	gagctcagat	ttcttggaag	540
caagcagacc	cttttgctgc	gttgaaagaa	gttggaagaa	attctactgt	cttactaatc	600
tgcatcaccg	tggtttcttc	atacctctct	gaagctggac	agtattcaag	ttttttcttc	660
tatctcaggc	aggatcatagg	ttttggatct	gttaaaattg	cagcattcat	agctatggta	720

<220>

<221> SITE

<222> (1329)

<223> n equals a,t,g, or c

<400> 677

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tgacagcaaa	ggatttagra	tattacataa	acttggttgg	gcagagtttg	agaggattga	240
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cagagaaatc	tttcatgaag	agtcaatcaa	tgangacamm	cttcattggt	gtcttatttc	360
aataaattgg	cacagccact	ctagccttca	gcaaccactg	atcactcagt	tcagcagcca	420
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tgtgtaactt	gctttattgt	gatacttgct	ttattgtggt	agtctggaac	agatcctgca	660
gtatcccaa	ggtatgcctg	tatctcagta	tagtcgtgat	cataggtctt	gcttttcttt	720
agattcactg	ttggtgttat	catccatgaa	tttcaccttc	ctgtgtacaa	acatctctta	780
ttacagtagg	agaatatggg	agtcagaaaa	ggaagacatt	tattgtcatt	atgaactcag	840
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tttggtgatt	gaaagcaaga	tctgtttttt	aaaaattaaa	tataagtttg	cacattcttc	960
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<210> 678

<211> 1651

<212> DNA

<213> Homo sapiens

<400> 678

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 <212> DNA
 <213> Homo sapiens

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<211> 3560
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (991)
 <223> n equals a,t,g, or c

<220>
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<400> 680

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<212> DNA
<213> Homo sapiens

<400> 682
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<210> 683
<211> 2148
<212> DNA
<213> Homo sapiens

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<222> (378)
<223> n equals a,t,g, or c

<220>
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<222> (381)
<223> n equals a,t,g, or c

<220>
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 <211> 2608
 <212> DNA
 <213> Homo sapiens

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 <222> (2598)
 <223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens
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<223> n equals a,t,g, or c
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<210> 702
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 <213> Homo sapiens

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<211> 1589

<212> DNA

<213> Homo sapiens

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<211> 3161

<212> DNA

<213> Homo sapiens

<400> 705

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<211> 1409

<212> DNA

<213> Homo sapiens

<400> 706

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 <223> n equals a,t,g, or c

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 <211> 2742
 <212> DNA
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 <223> n equals a,t,g, or c

<220>

<221> SITE
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<211> 1294
<212> DNA
<213> Homo sapiens

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 <223> n equals a,t,g, or c

<400> 715

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 <211> 1276
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (788)
 <223> n equals a,t,g, or c

<400> 716

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<210> 717

<211> 1279

<212> DNA

<213> Homo sapiens

<400> 717

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<211> 1086

<212> DNA

<213> Homo sapiens

<400> 718

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<210> 721

<211> 1547

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1166)

<223> n equals a,t,g, or c

<400> 721

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 <212> DNA
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<400> 722						
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 <211> 937
 <212> DNA
 <213> Homo sapiens

<400> 723						
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 <211> 1329
 <212> DNA
 <213> Homo sapiens

<400> 724						
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<211> 1328

<212> DNA

<213> Homo sapiens

<400> 746

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<210> 747

<211> 590

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <212> DNA
 <213> Homo sapiens

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 <211> 419
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

00050003-094304

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<223> n equals a,t,g, or c

<220>
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<210> 753
<211> 1635
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (34)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<211> 2414

<212> DNA

<213> Homo sapiens

<400> 755

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<400> 760

<400> 761

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1460

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<211> 896

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764

<211> 2070

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 767

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<210> 768
<211> 1965
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<400> 768

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<212> DNA

<213> Homo sapiens

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<211> 850
<212> DNA
<213> Homo sapiens
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<400> 780

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<211> 1018

<212> DNA

<213> Homo sapiens

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<212> DNA

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Figure 6. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows two plots side-by-side. The left plot shows the accuracy of the proposed algorithm (in %) versus the number of iterations (from 0 to 100). The right plot shows the accuracy of the proposed algorithm (in %) versus the number of iterations (from 0 to 100).

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<213> Homo sapiens

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gtgttttctt	tcataaaca	ctgttctggc	aagctggttt	tatgtctgc	tggaccattt	300
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<213> Homo sapiens

<223> n equals a,t,g, or c

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<210> 793

<211> 464
<212> DNA
<213> Homo sapiens

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akgraataaaa tttgcagtta rgtcttaaaaa aaaaaaaaaa aaaa 464

<210> 794
<211> 453
<212> DNA
<213> Homo sapiens

<400> 794
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ggattcacat gccctaacta aacctacctt gatttttctca gacagcacag gcaggcaata 180
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tcttctcatt ctgtcaattg ttttctcatc cgcagtgcct ctgccagaac tgtgctcaca 360
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<210> 795
<211> 2212
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1337)
<223> n equals a,t,g, or c

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<210> 796
 <211> 1518
 <212> DNA
 <213> Homo sapiens

<400> 796						
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aaaaaaaaaa	aaaaaaaaaa					1518

<210> 797

<211> 1498
<212> DNA
<213> Homo sapiens

<400> 797

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<210> 798
<211> 1626
<212> DNA
<213> Homo sapiens

<400> 798

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<211> 2791

<212> DNA

<213> Homo sapiens

<400> 801

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<211> 1025

<212> DNA

<213> Homo sapiens

<400> 802

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 <211> 246
 <212> DNA
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<210> 807
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 <212> DNA
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<210> 808
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 <212> DNA
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<220>
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 <223> n equals a,t,g, or c

<400> 808

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<211> 728

<212> DNA

<213> Homo sapiens

<400> 809

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 <212> DNA
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 <211> 499
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<211> 1003
<212> DNA
<213> Homo sapiens
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<211> 1901
<212> DNA
<213> Homo sapiens
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<210> 833
<211> 1901
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <211> 1122
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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tgtgcaattt	gttacctgta	actttcttaa	tgaataaaag	aagattgaaa	aaataaaaaa	780
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<210> 839

<211> 1227

<212> DNA

<213> Homo sapiens

<400> 839

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<210> 840

$\langle 211 \rangle$ 1513

<212> DNA

<213> Homo sapiens

<400> 840

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